

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

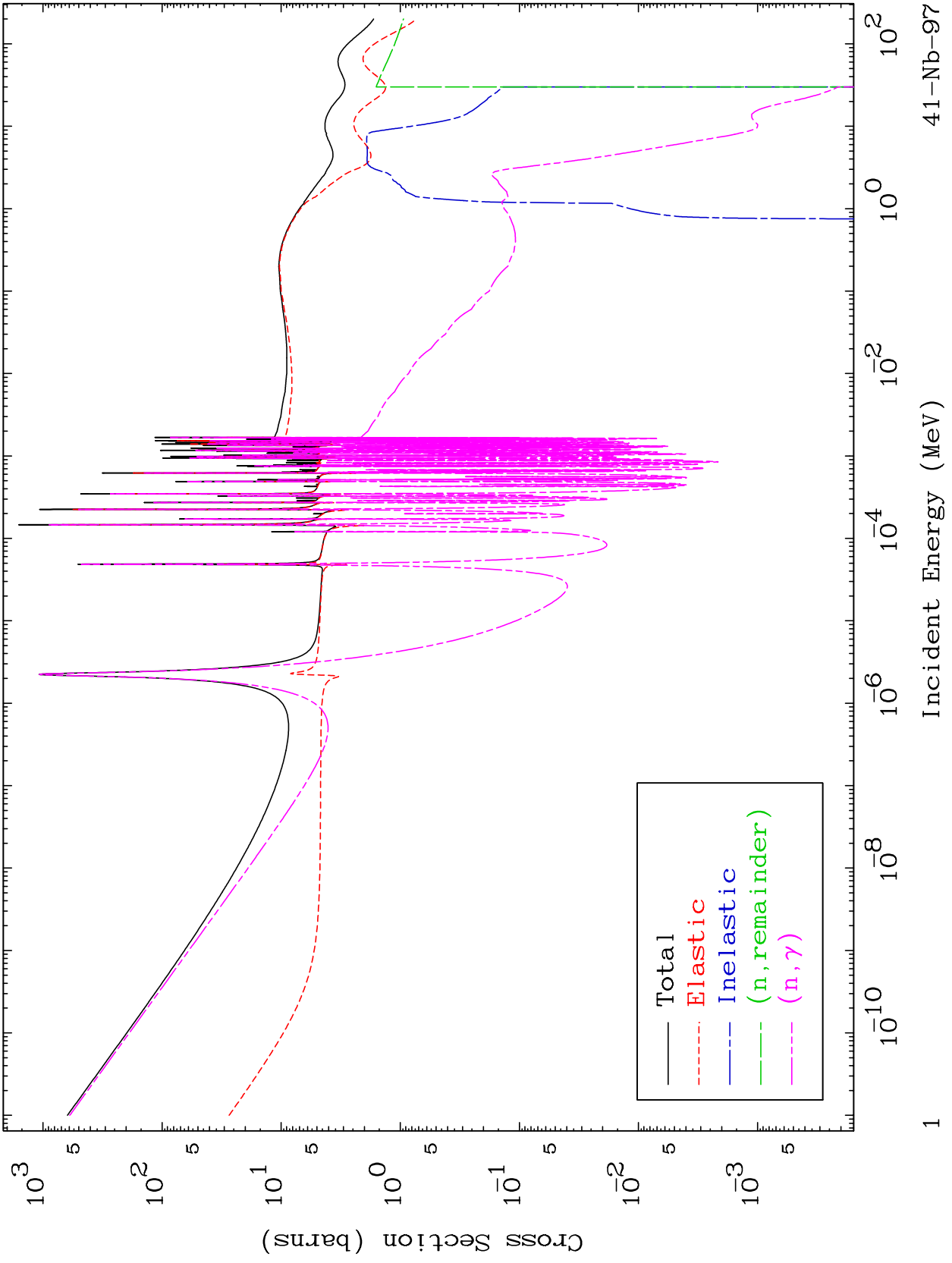
Web:redcullen1.net/HOMEPAGE.NEW

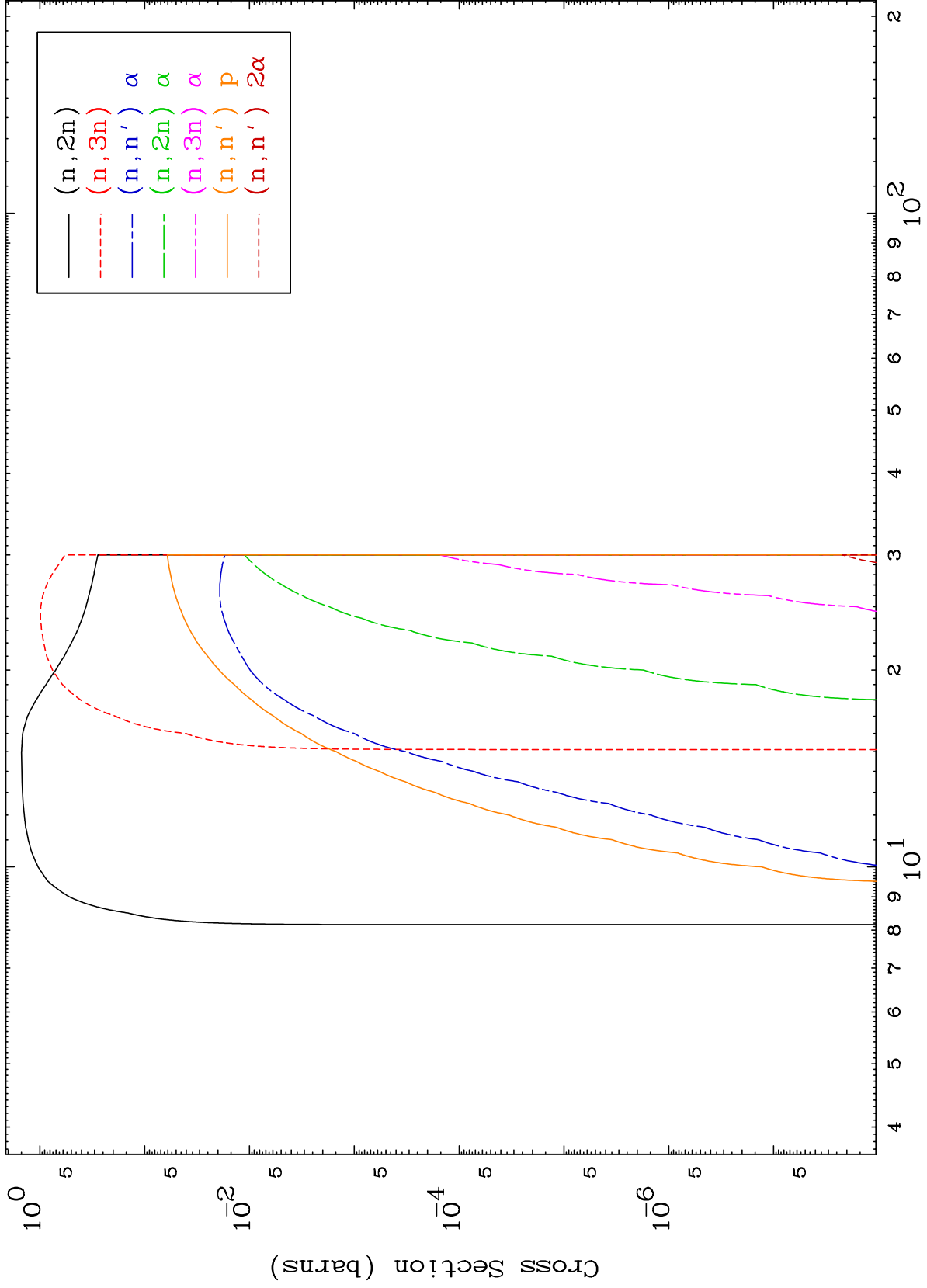
Press Mouse Button to Start

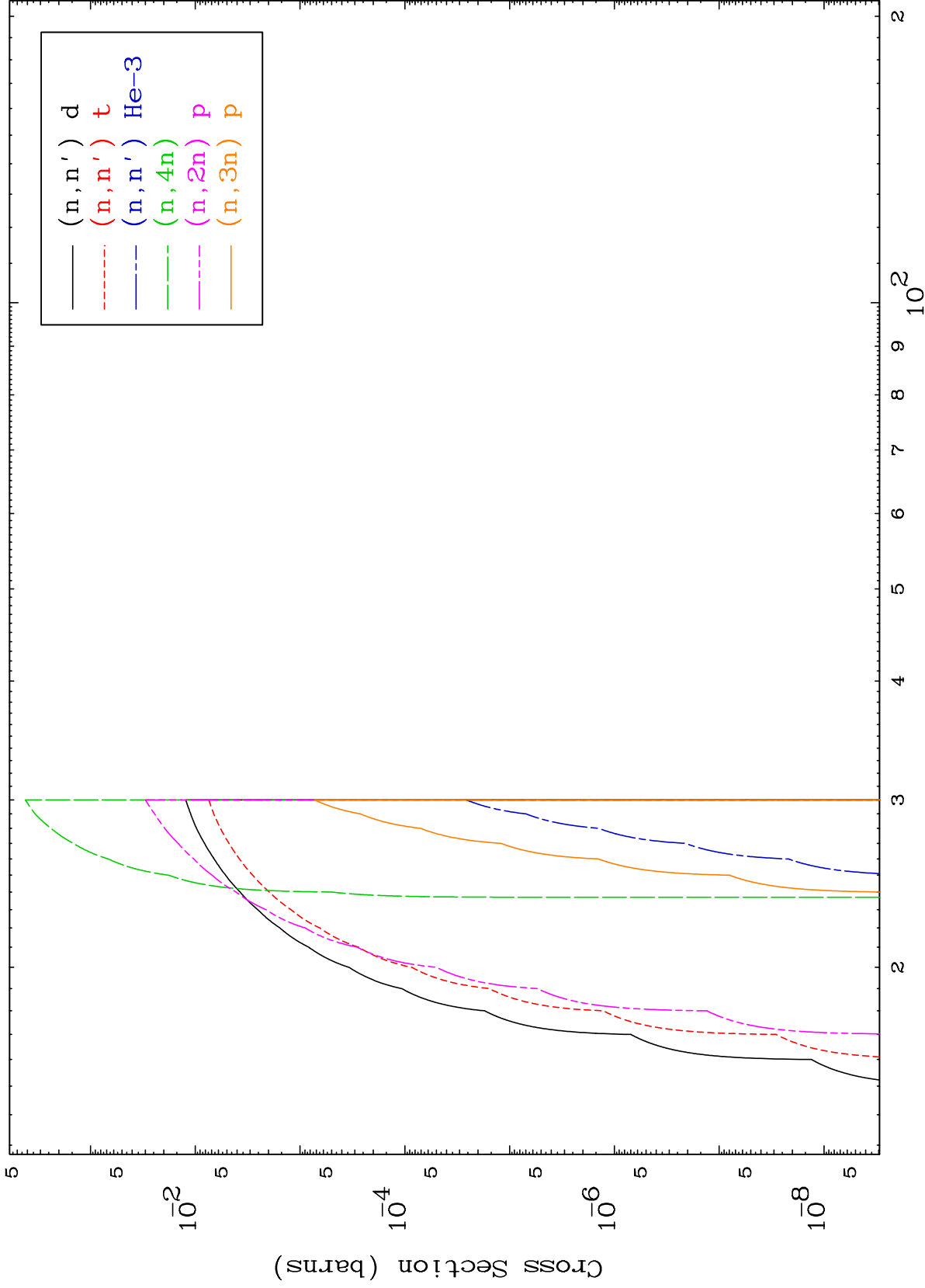
MAT 4137

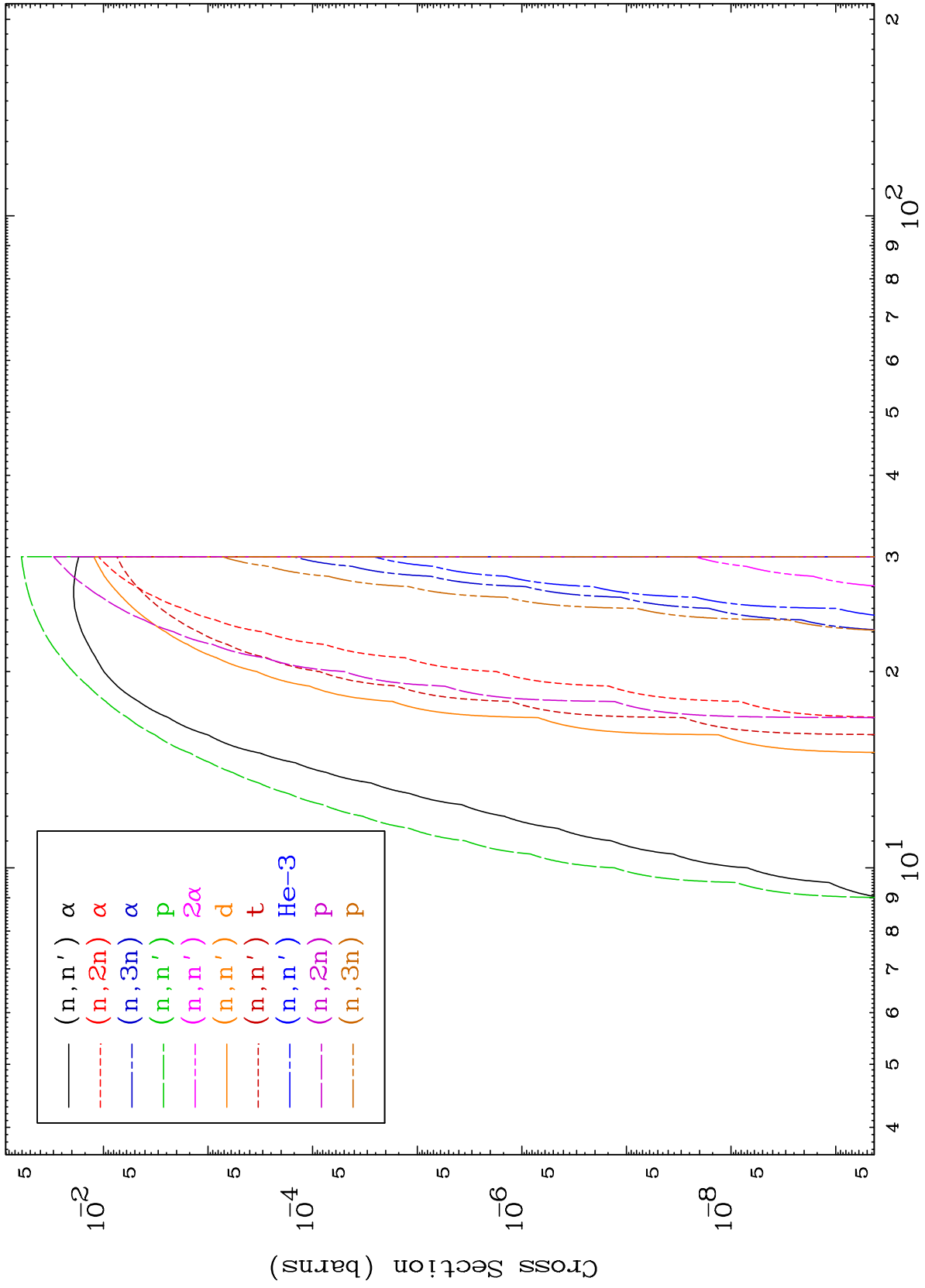
Major
293 Kelvin Cross Sections

41-Nb-97





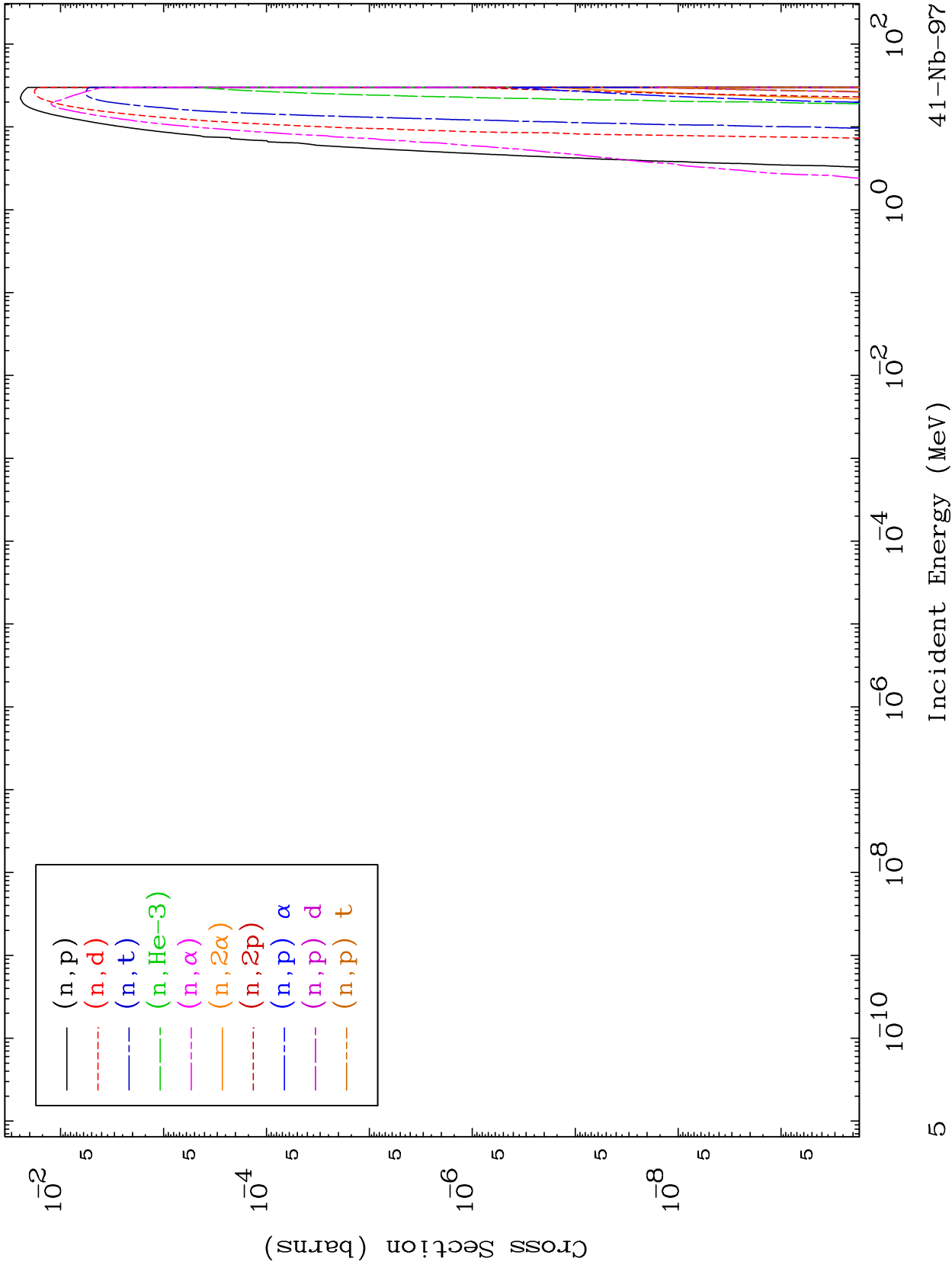


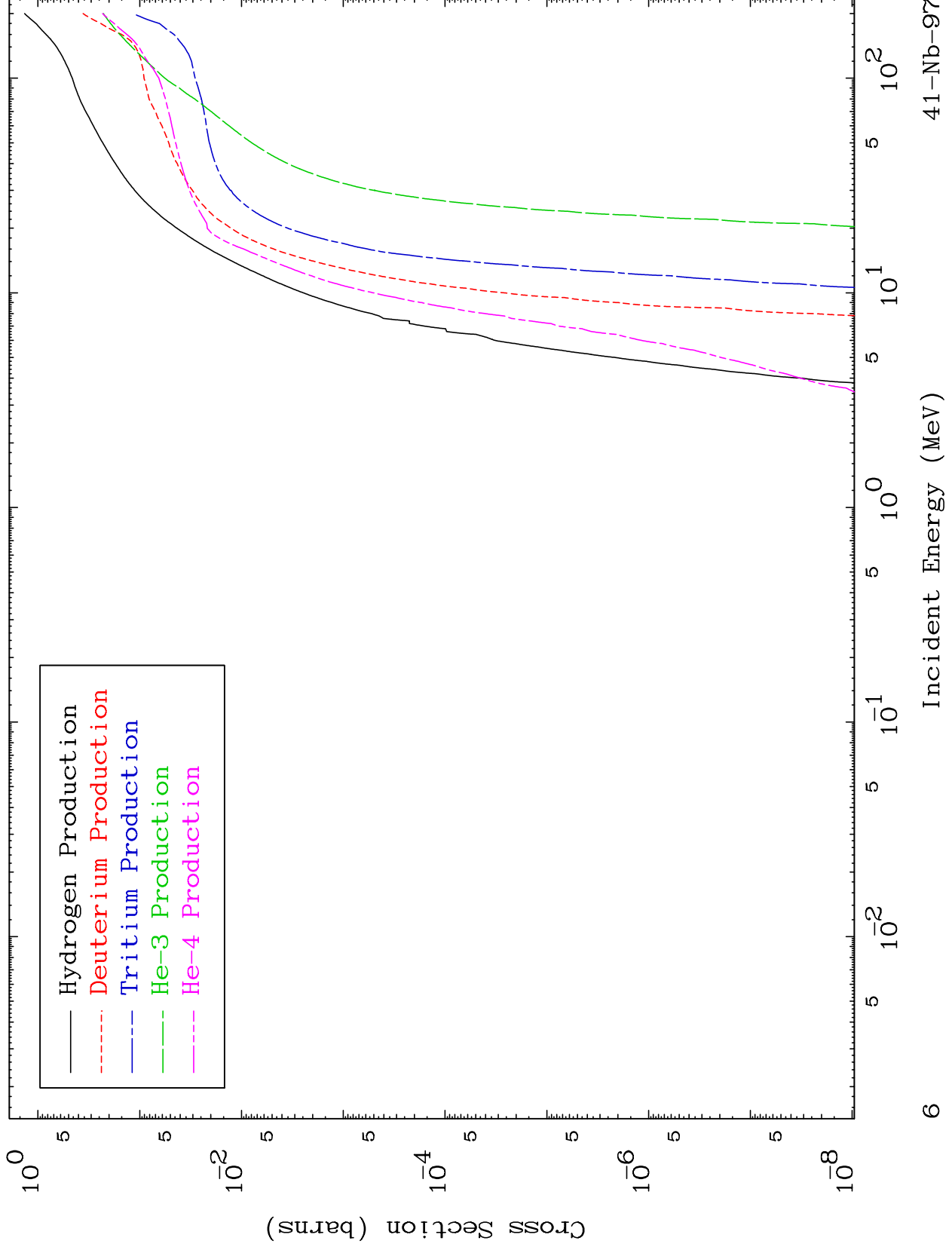


MAT 4137

Charged Particle
293 Kelvin Cross Sections

41-Nb-97



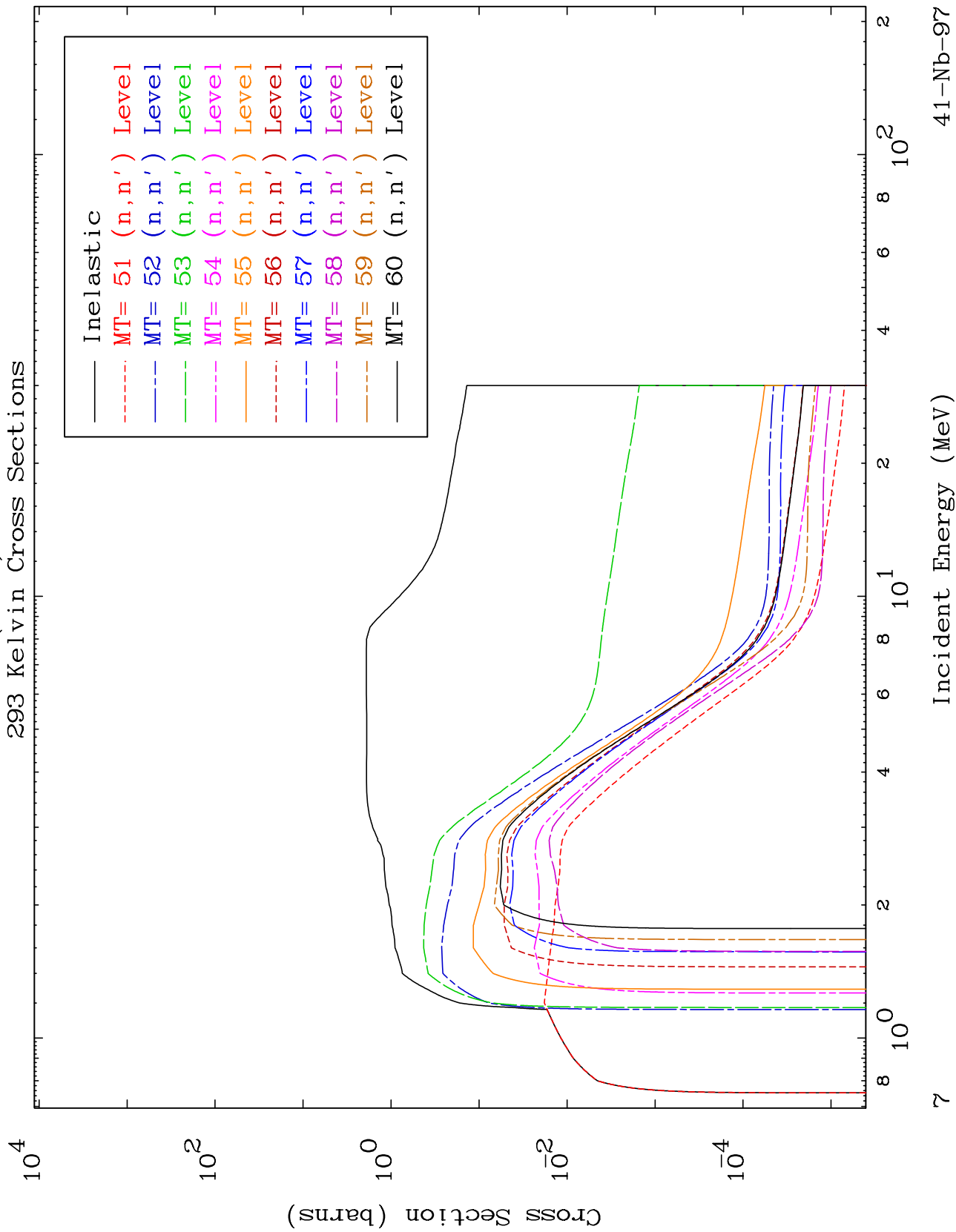


MAT 4137

(n,n') Level

41-Nb-97

293 Kelvin Cross Sections



7

Incident Energy (MeV)

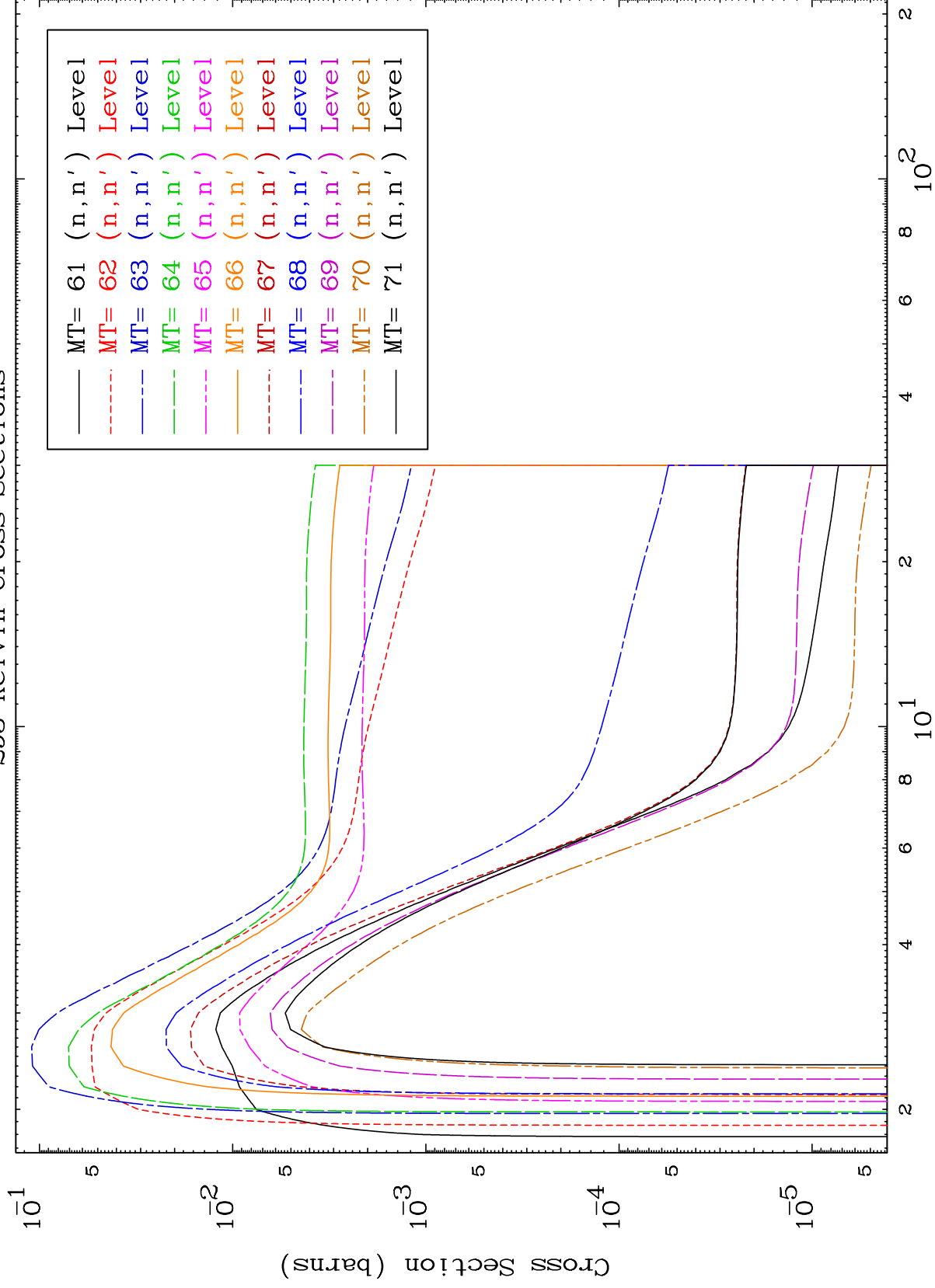
41-Nb-97

MAT 4137

(n,n') Level

293 Kelvin Cross Sections

41-Nb-97

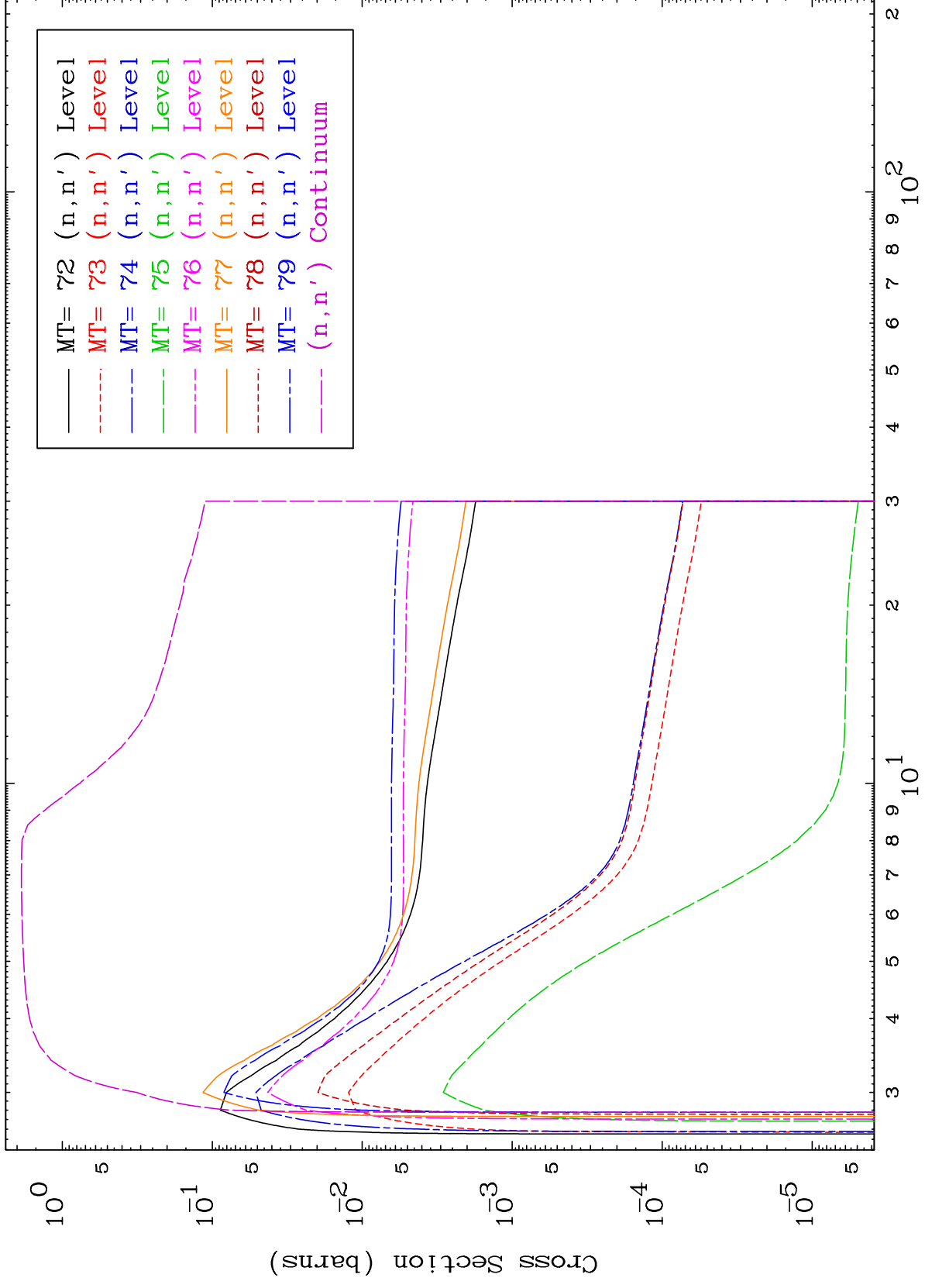


8

Incident Energy (MeV)

41-Nb-97

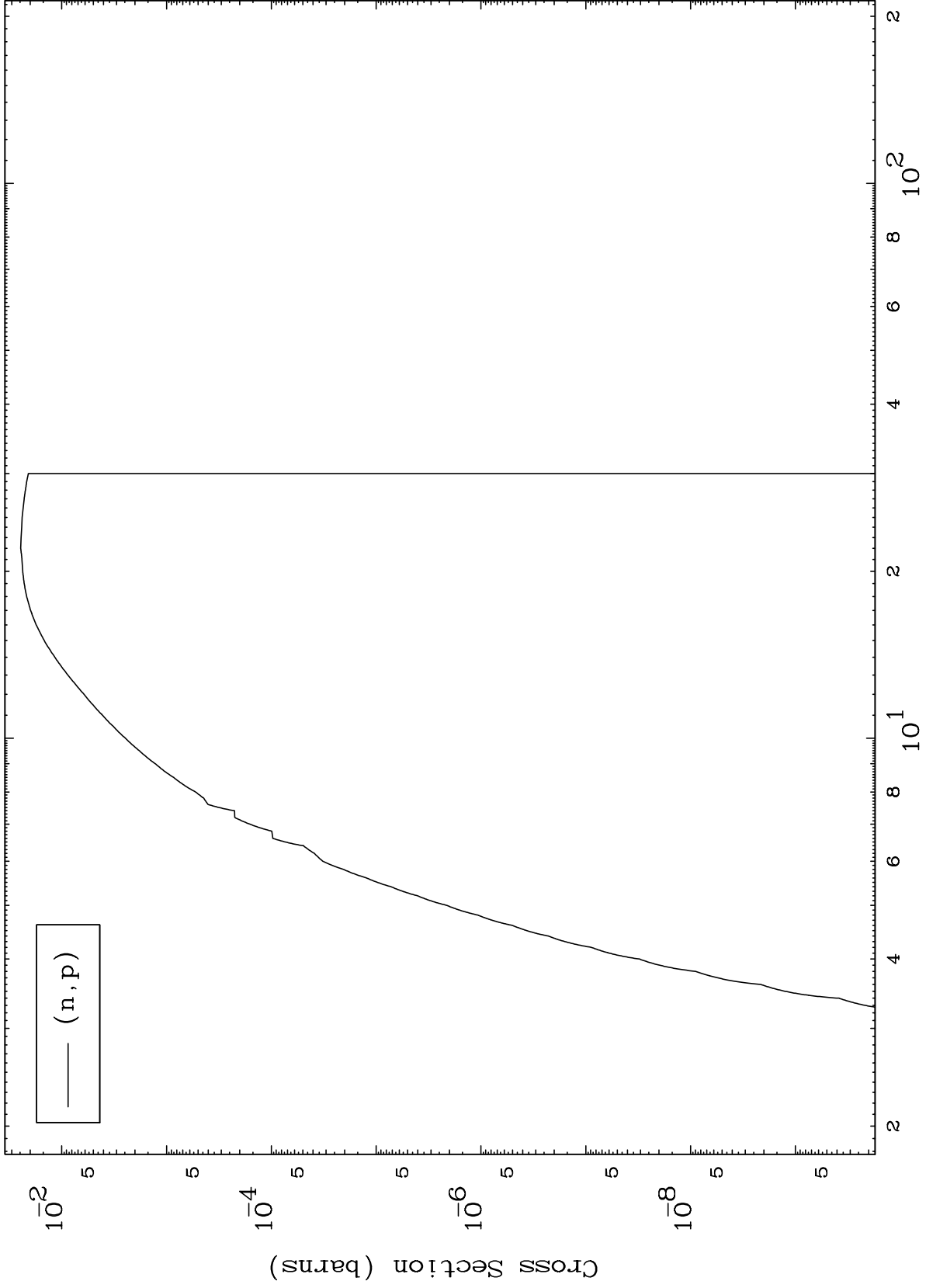
293 Kelvin Cross Sections



MAT 4137

(n,p) Levels
293 Kelvin Cross Sections

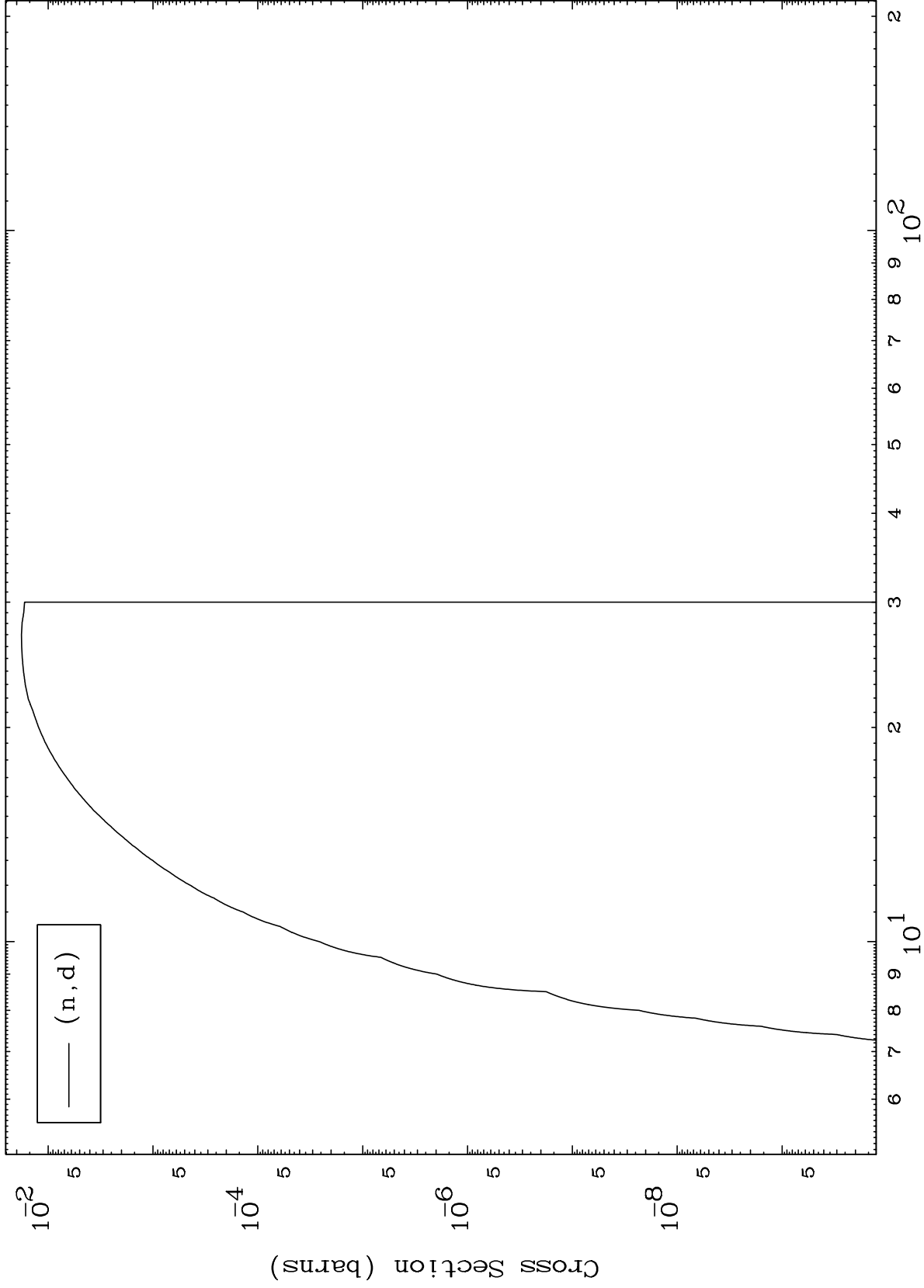
41-Nb-97

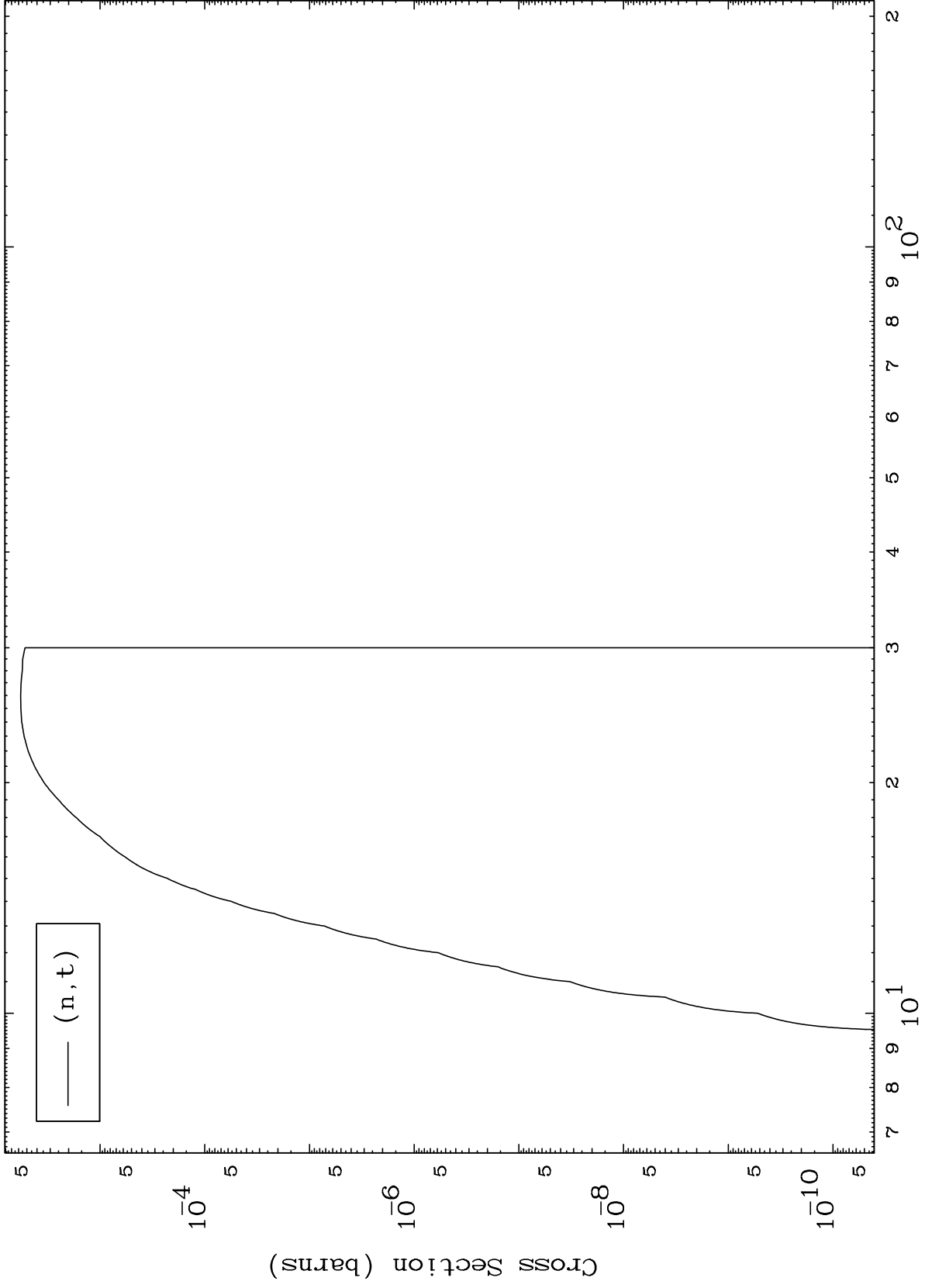


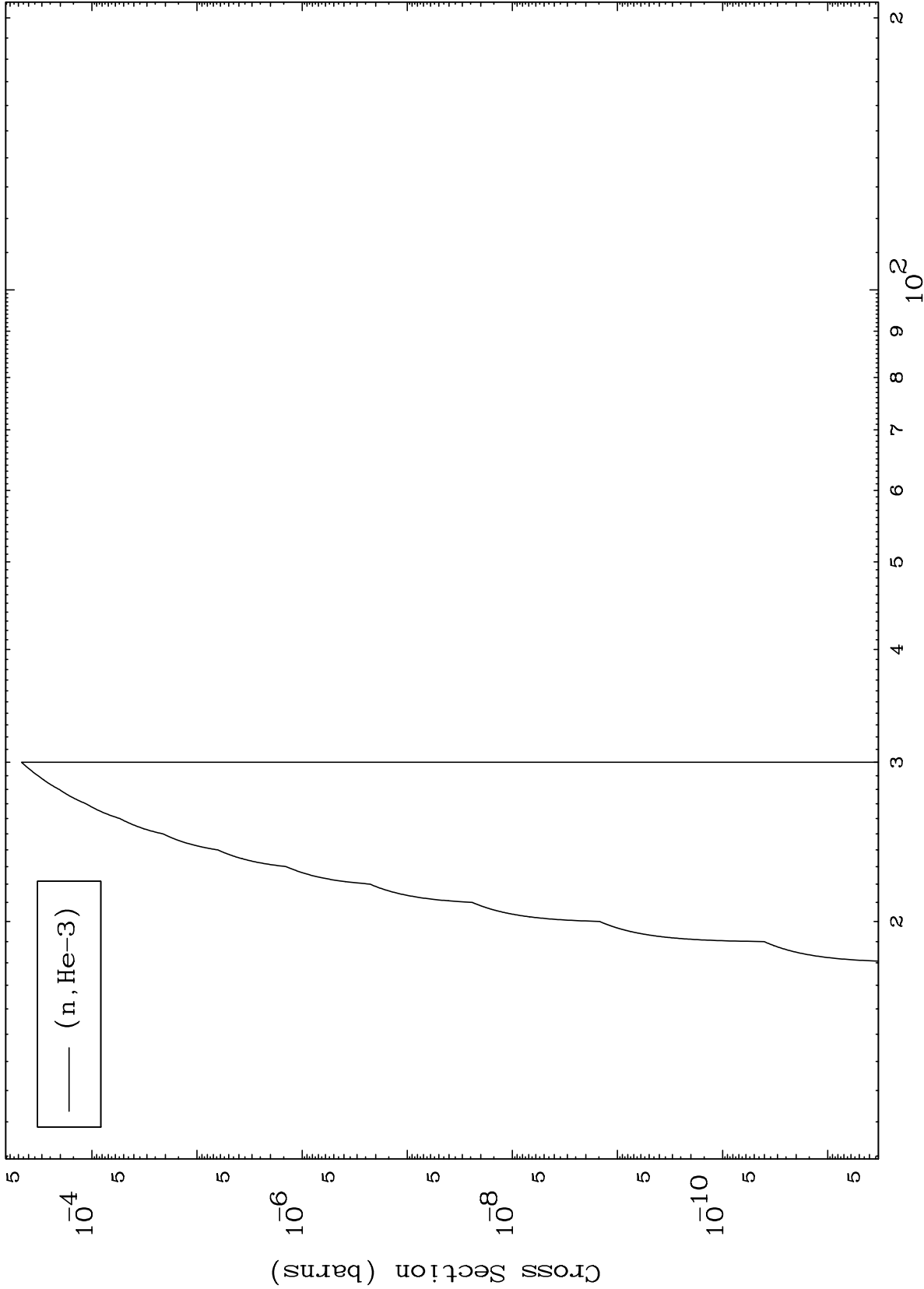
10

Incident Energy (MeV)

41-Nb-97



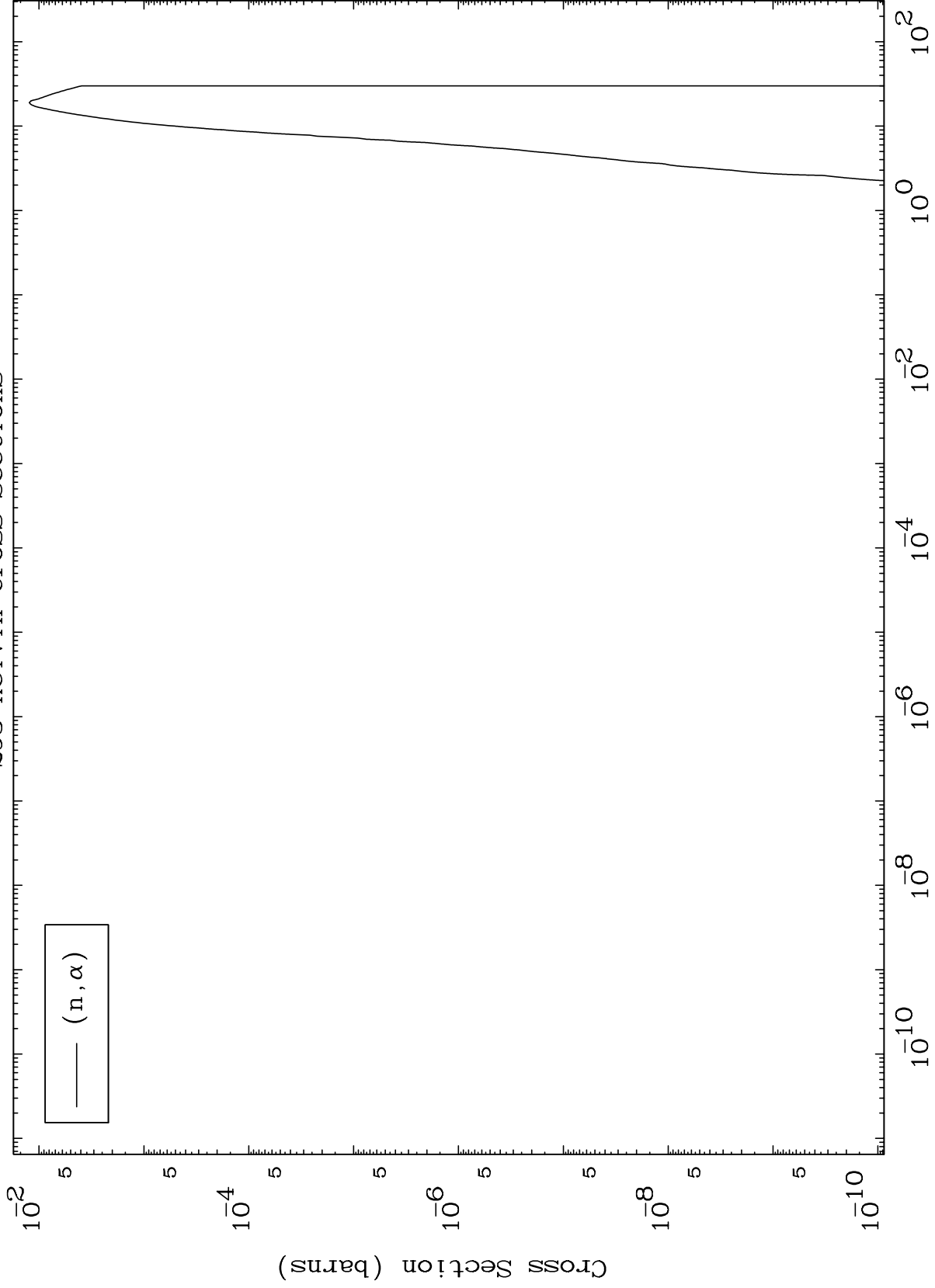


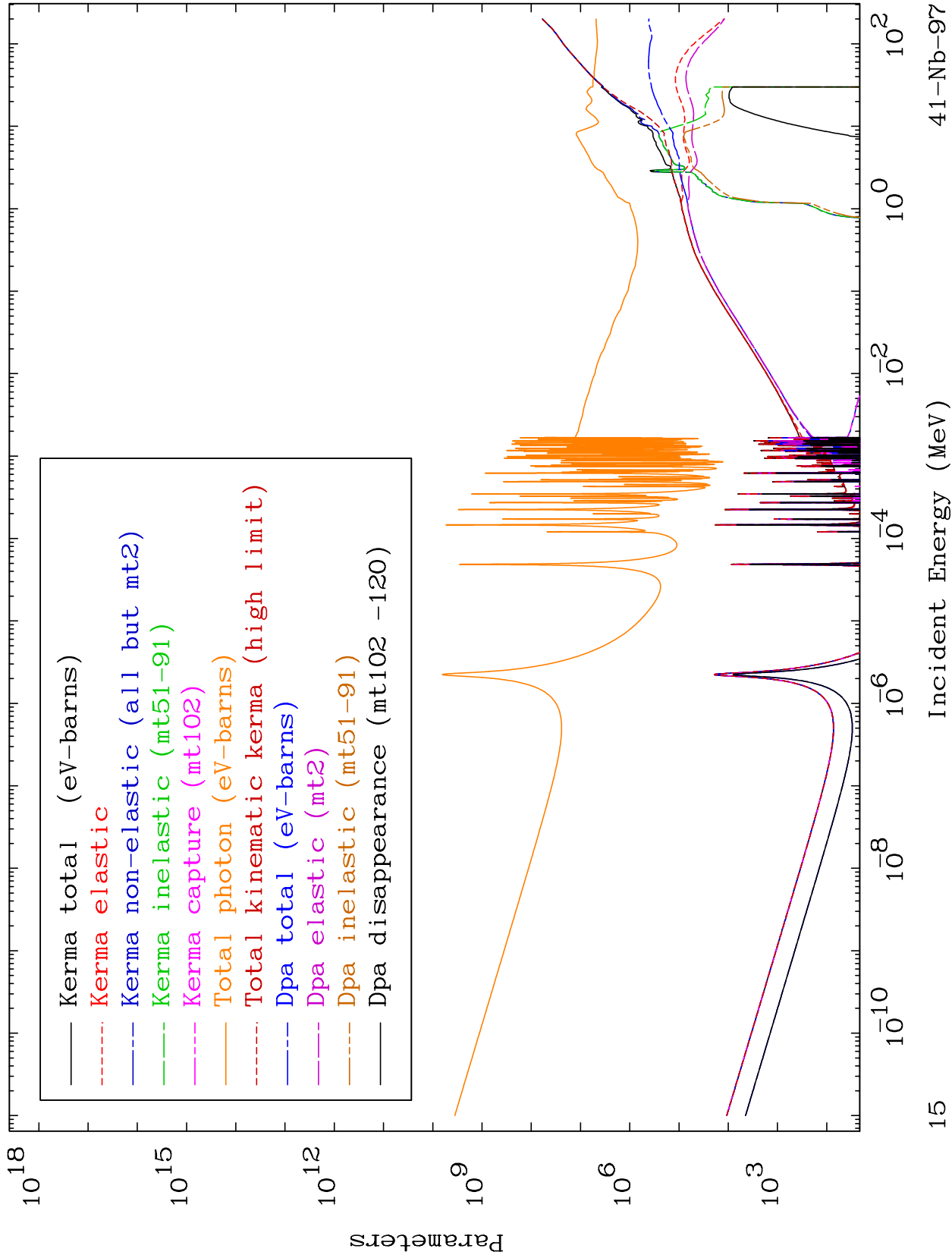


MAT 4137

(n, α) Levels
293 Kelvin Cross Sections

41-Nb-97

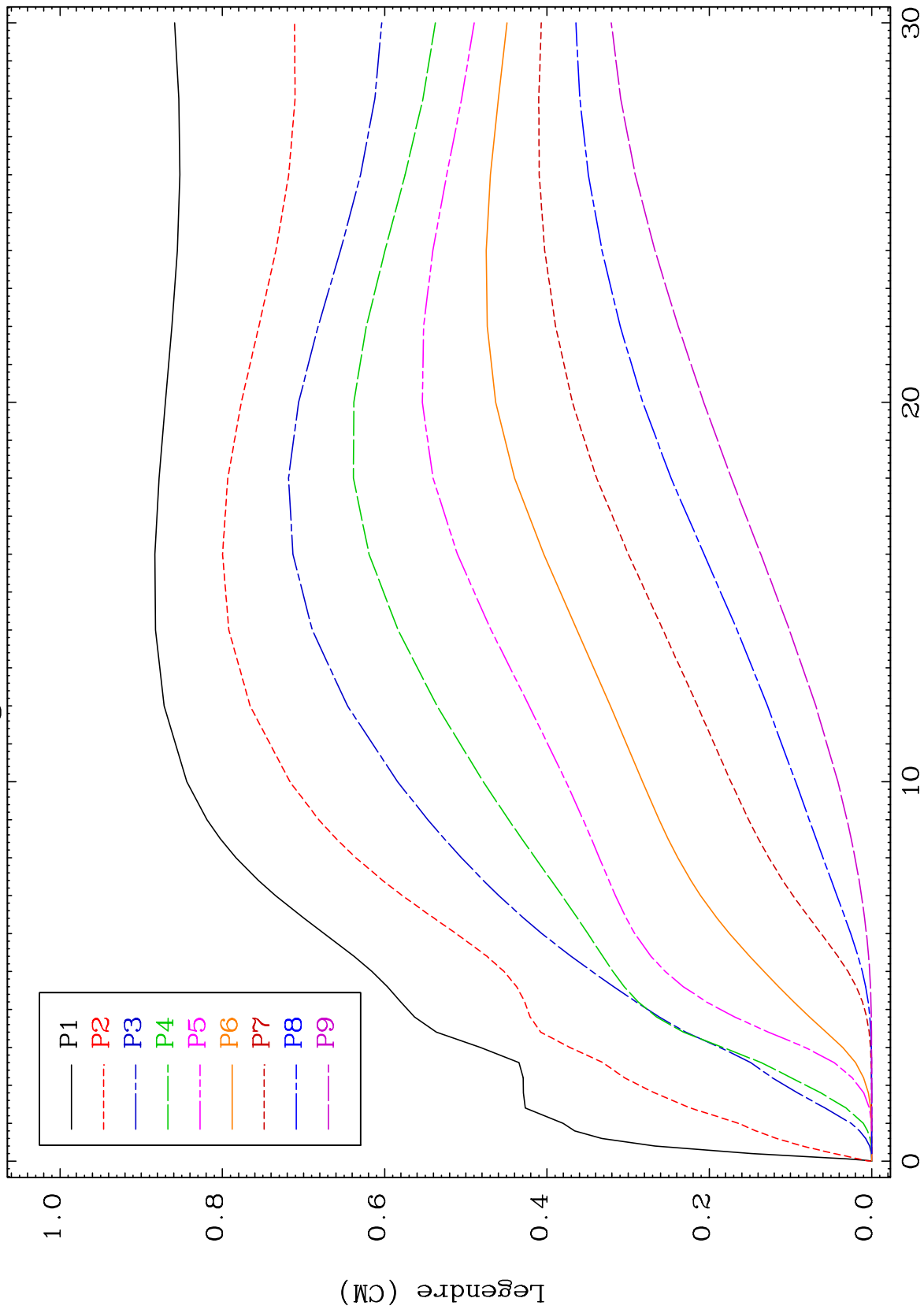




MAT 4137

Elastic Legendre Coefficients

41-Nb-97



16

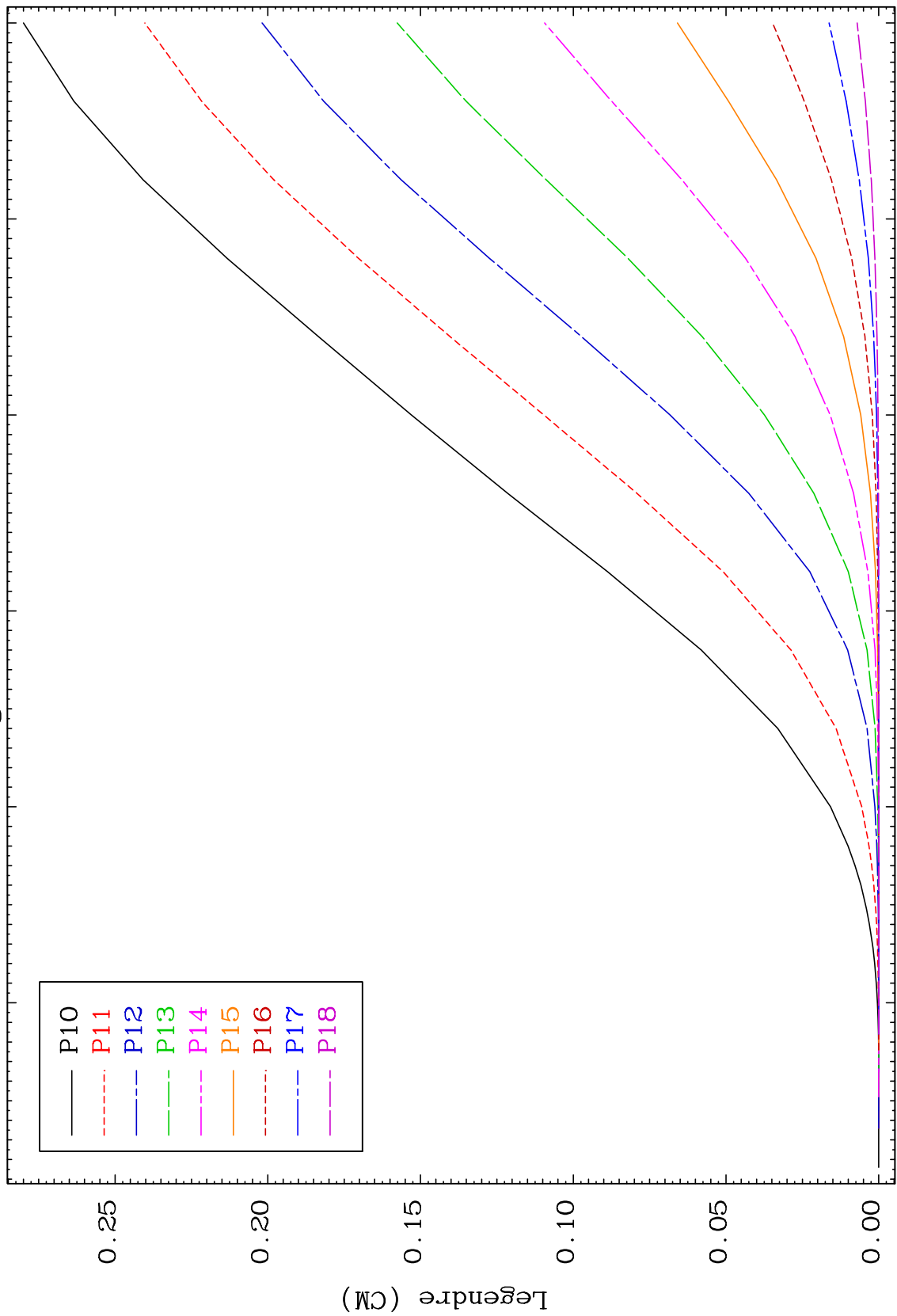
Incident Energy (MeV)

41-Nb-97

MAT 4137

Elastic
Legendre Coefficients

41-Nb-97



17

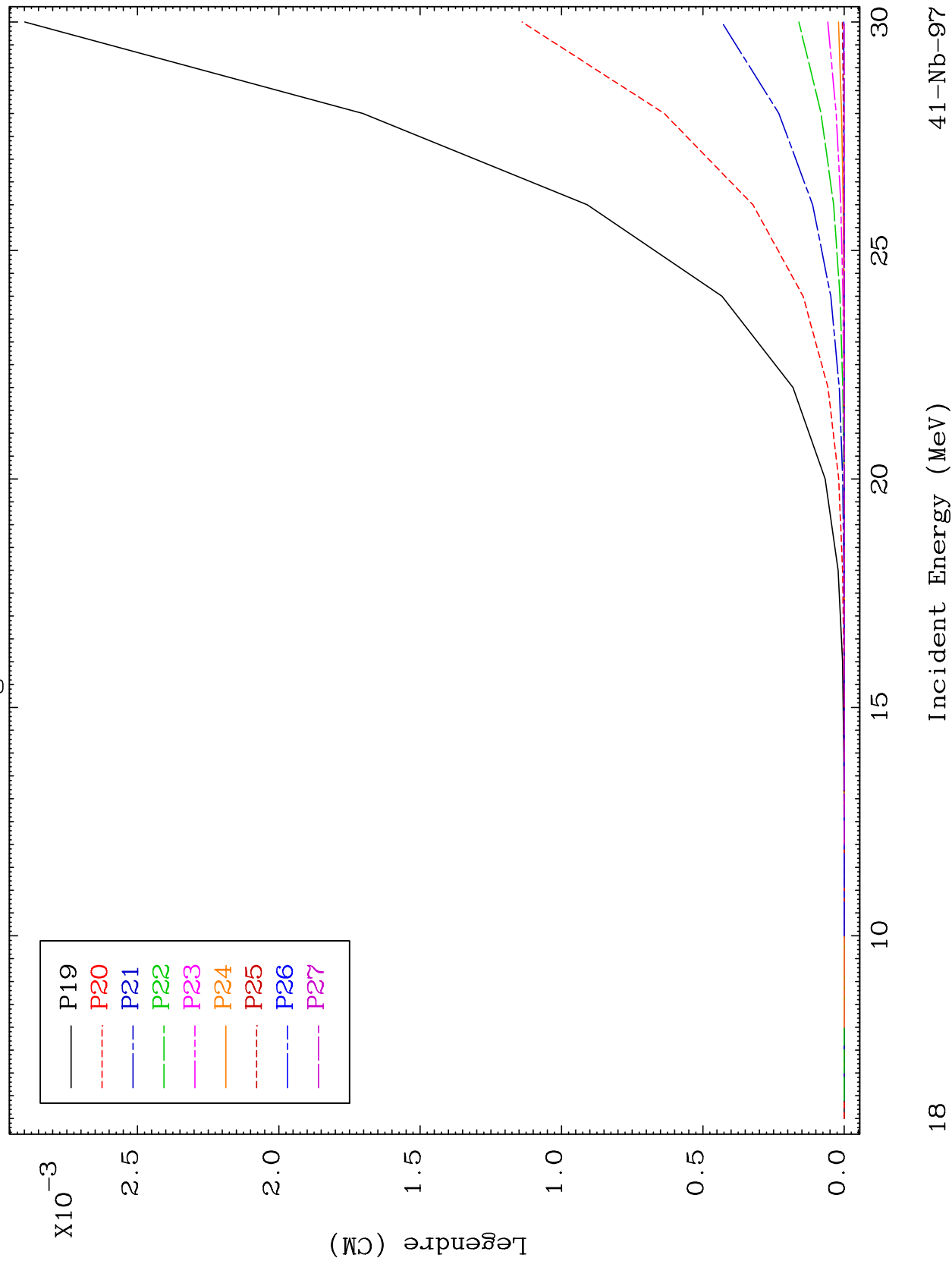
Incident Energy (MeV)

41-Nb-97

MAT 4137

Elastic
Legendre Coefficients

41-Nb-97

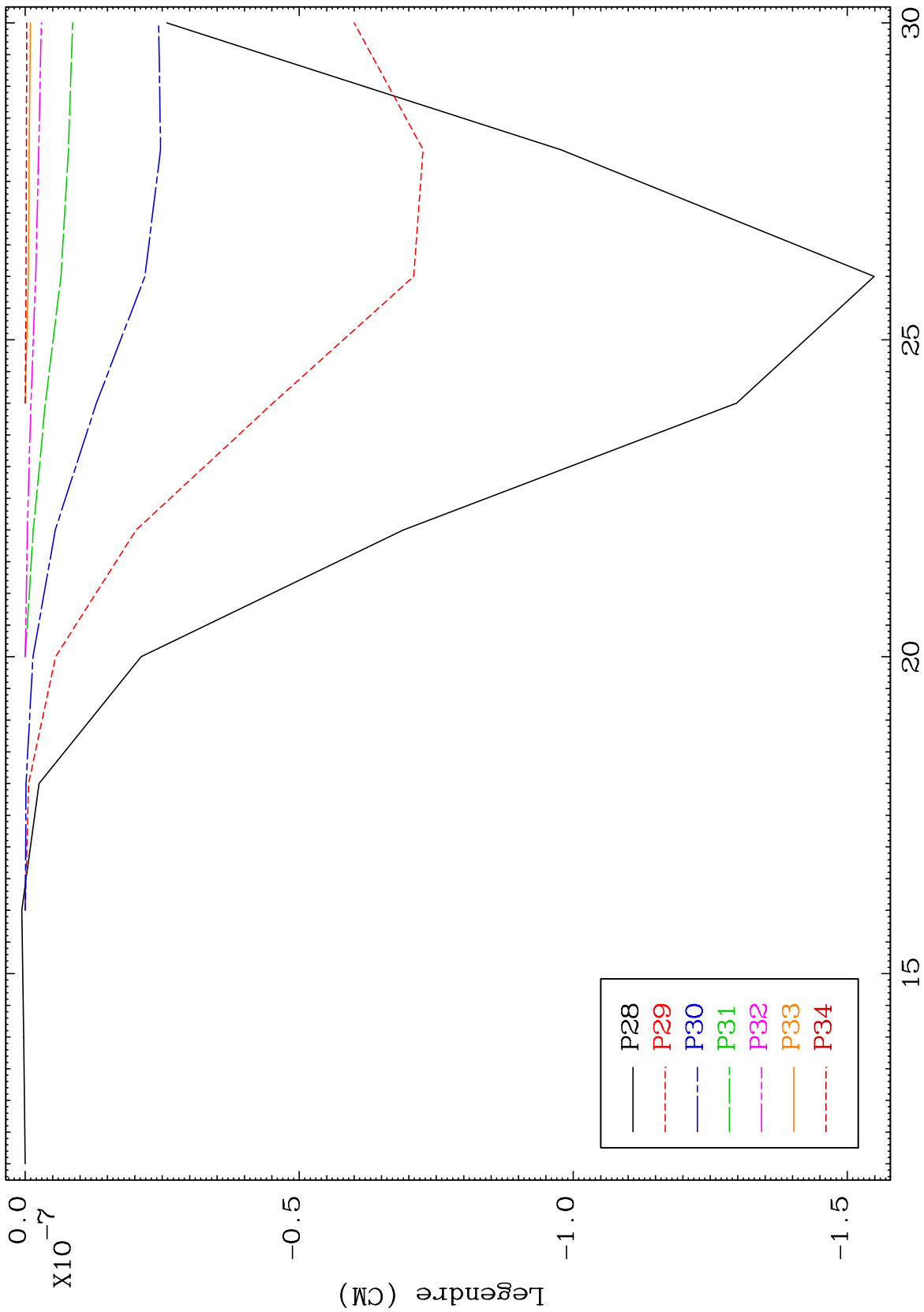


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 4137

41-Nb-97

Elastic Legendre Coefficients



19

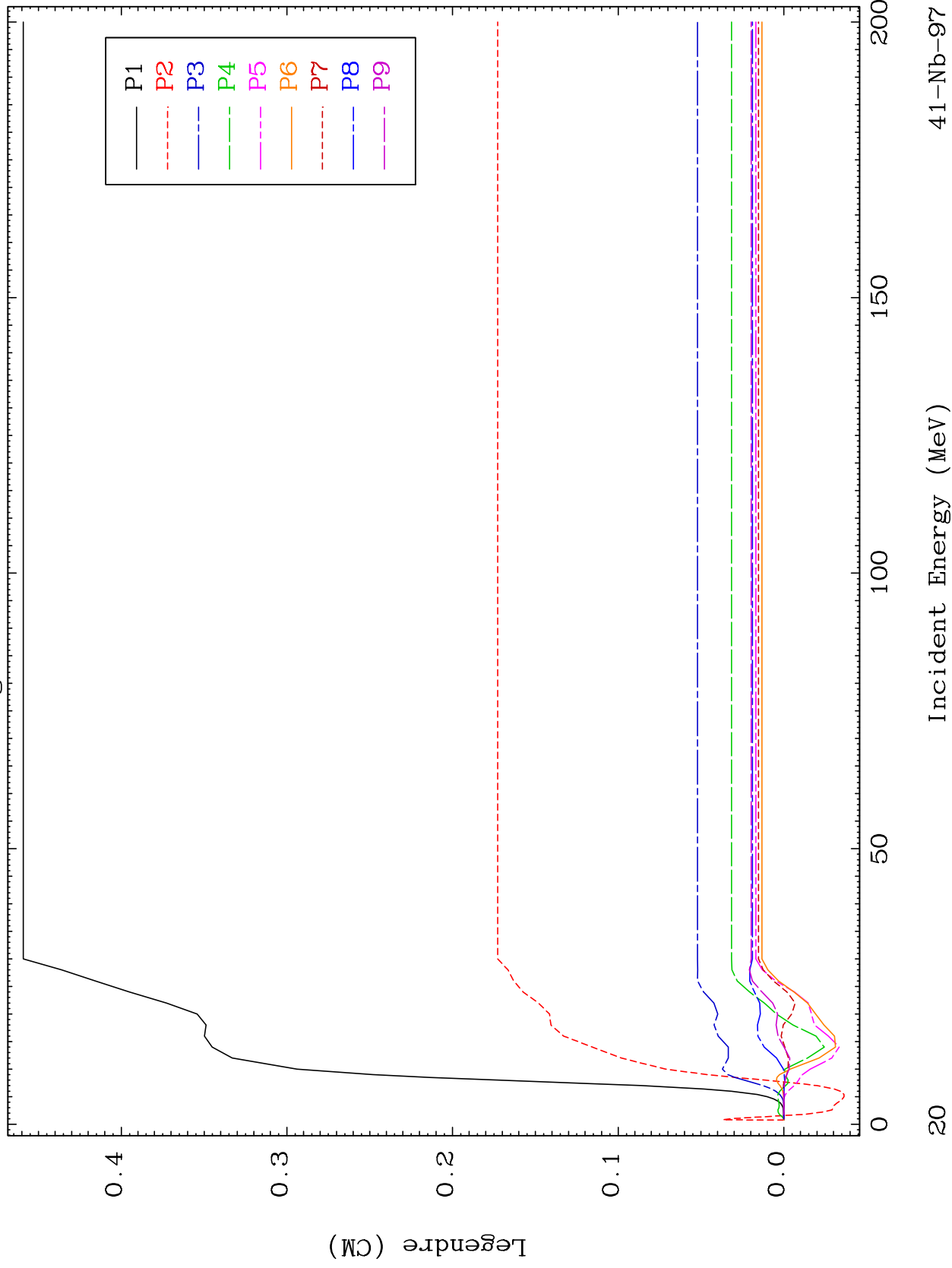
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 51 (n,n') Level
Legendre Coefficients

41-Nb-97



41-Nb-97

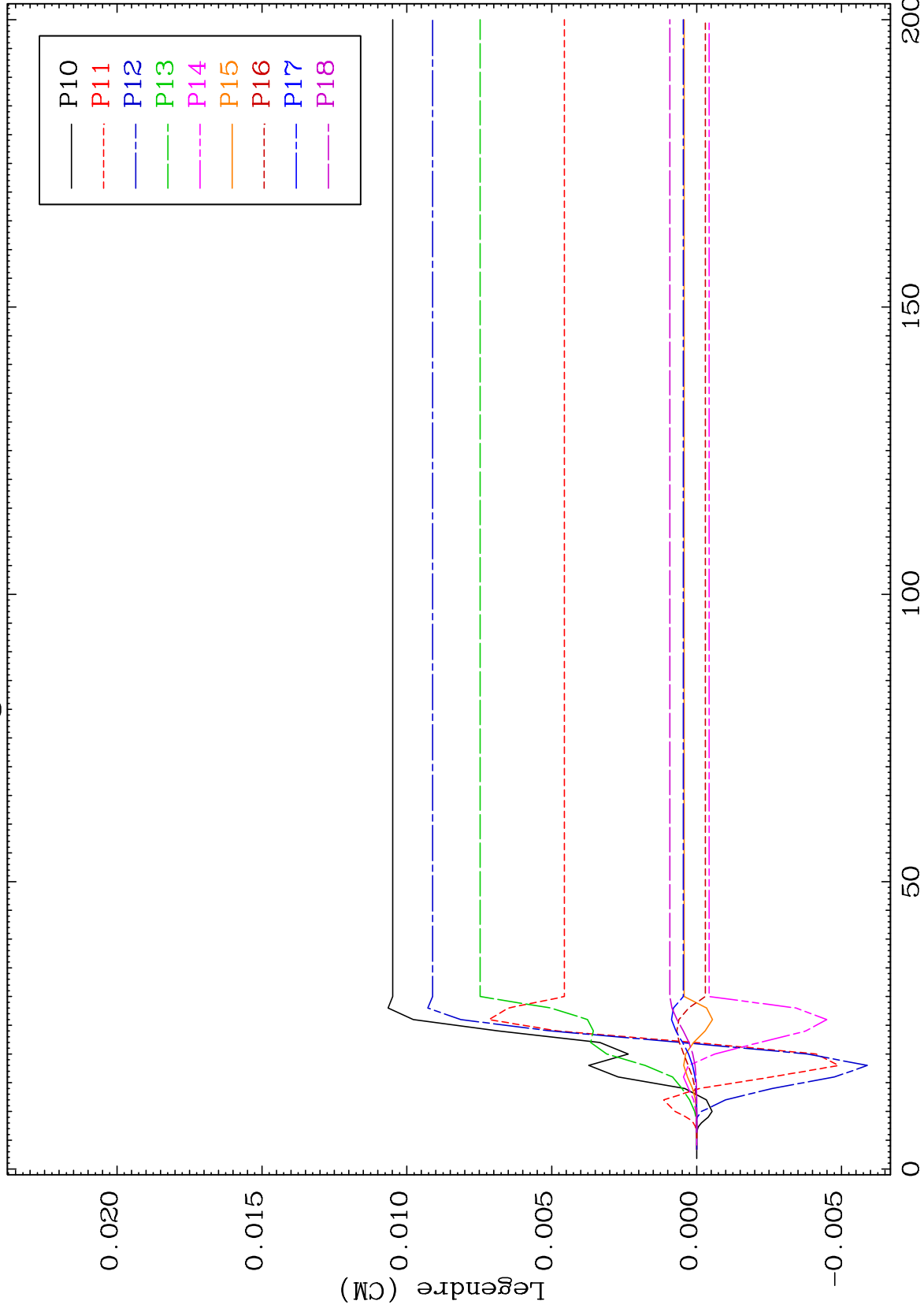
Incident Energy (MeV)

Legendre (CM)

MAT 4137

MT= 51 (n,n') Level
Legendre Coefficients

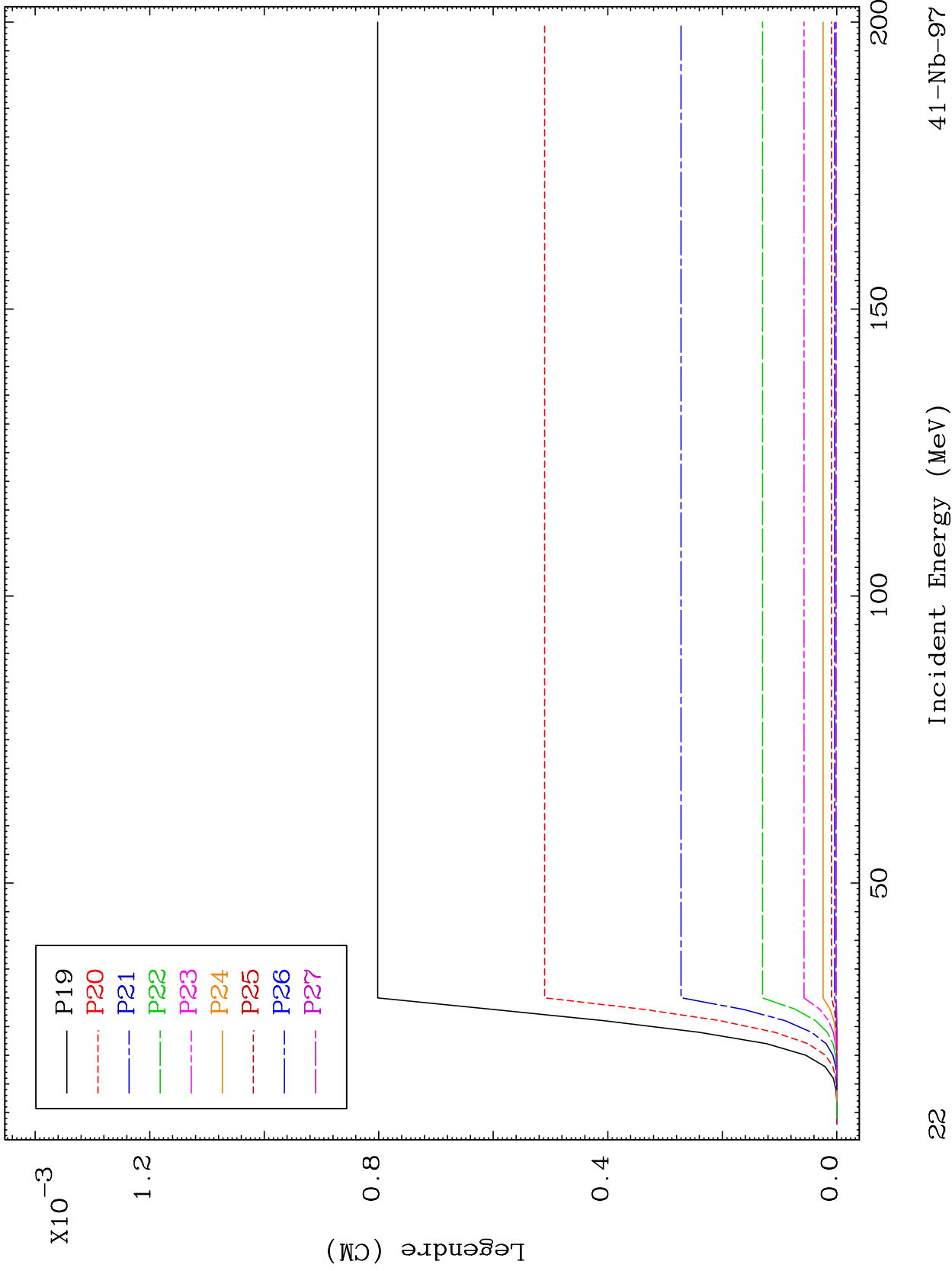
41-Nb-97



21

Incident Energy (MeV)

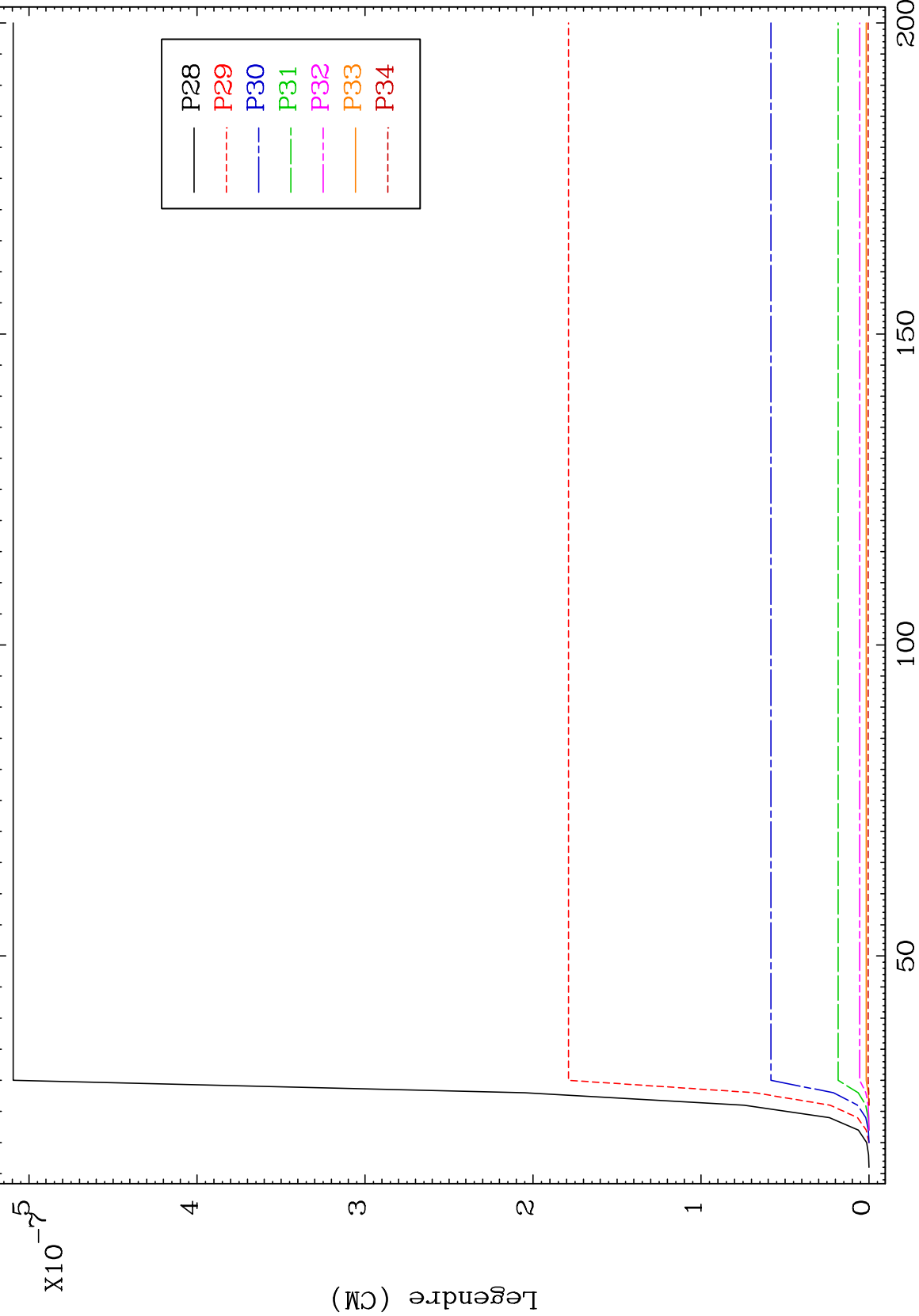
41-Nb-97



MAT 4137

MT= 51 (n,n') Level
Legendre Coefficients

41-Nb-97



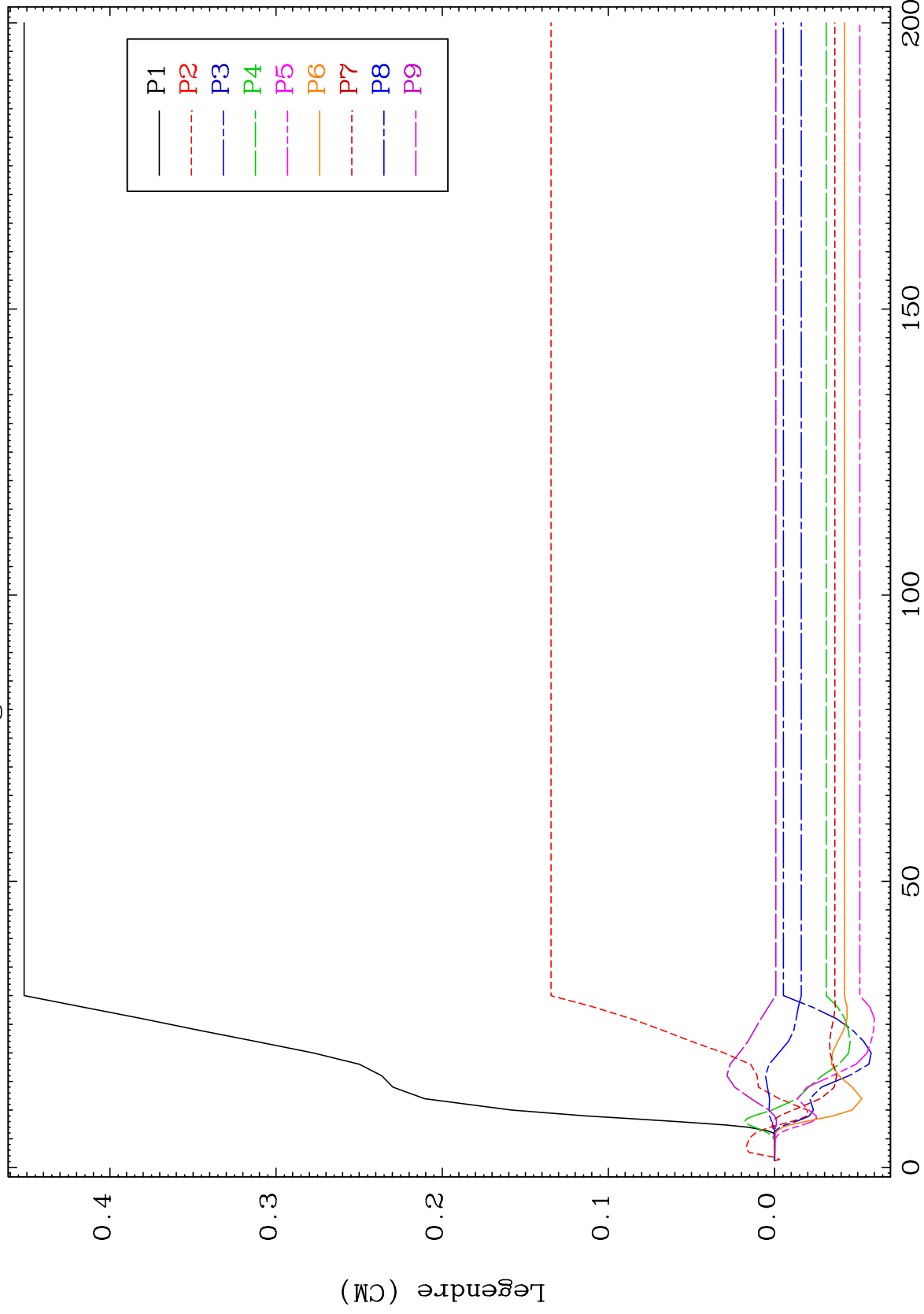
23

41-Nb-97

MAT 4137

MT= 52 (n,n') Level
Legendre Coefficients

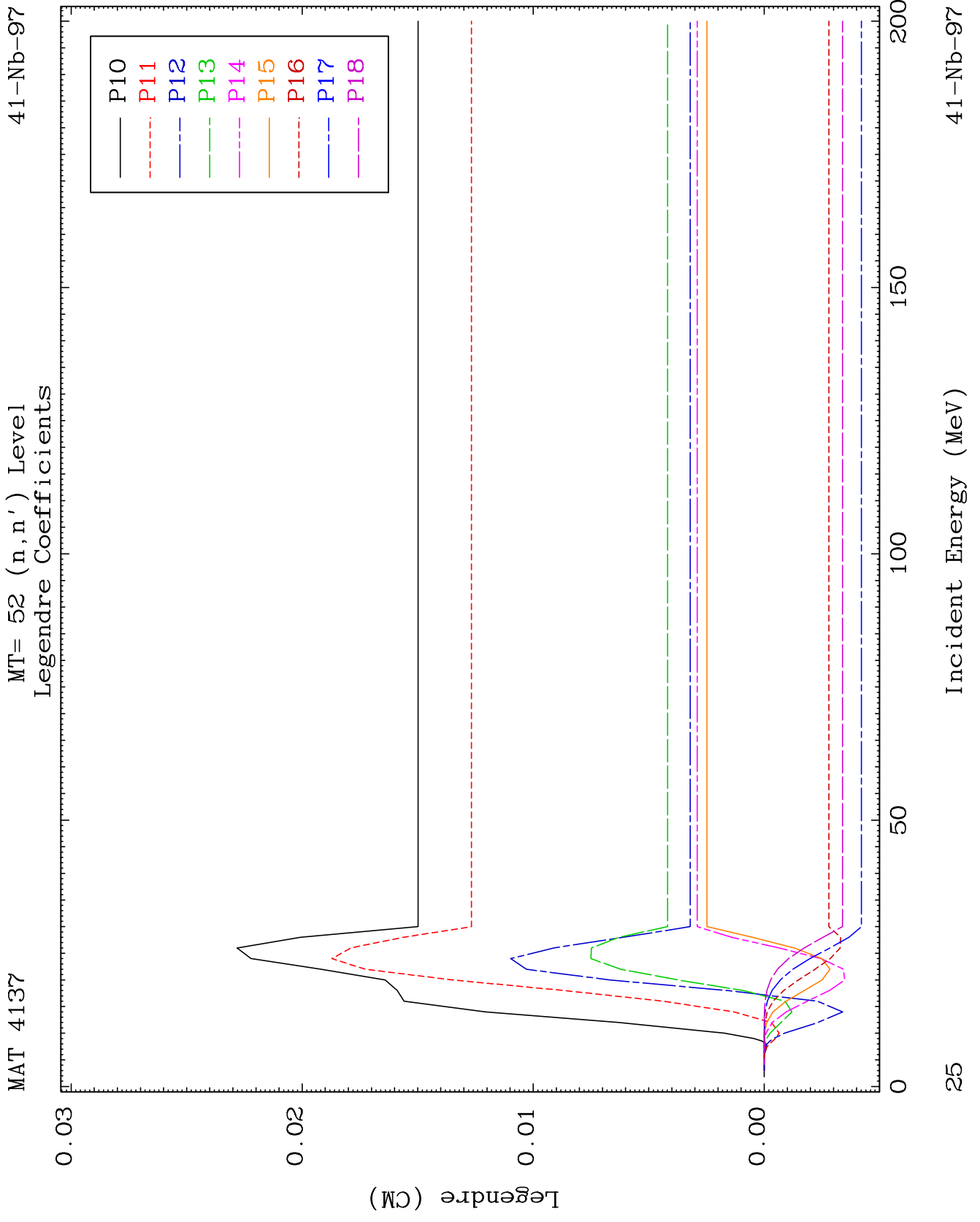
41-Nb-97



24

Incident Energy (MeV)

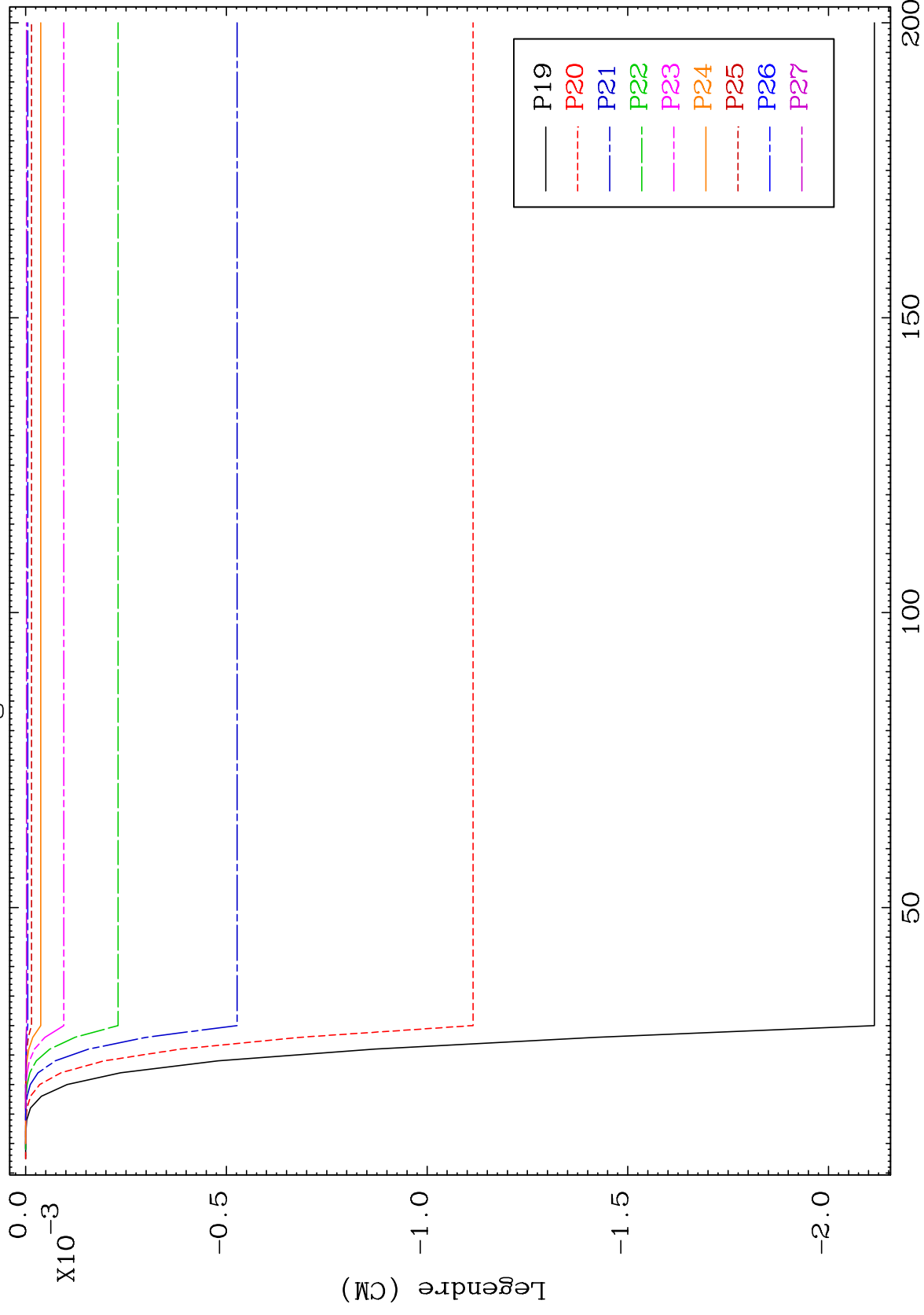
41-Nb-97



MAT 4137

MT= 52 (n,n') Level
Legendre Coefficients

41-Nb-97



26

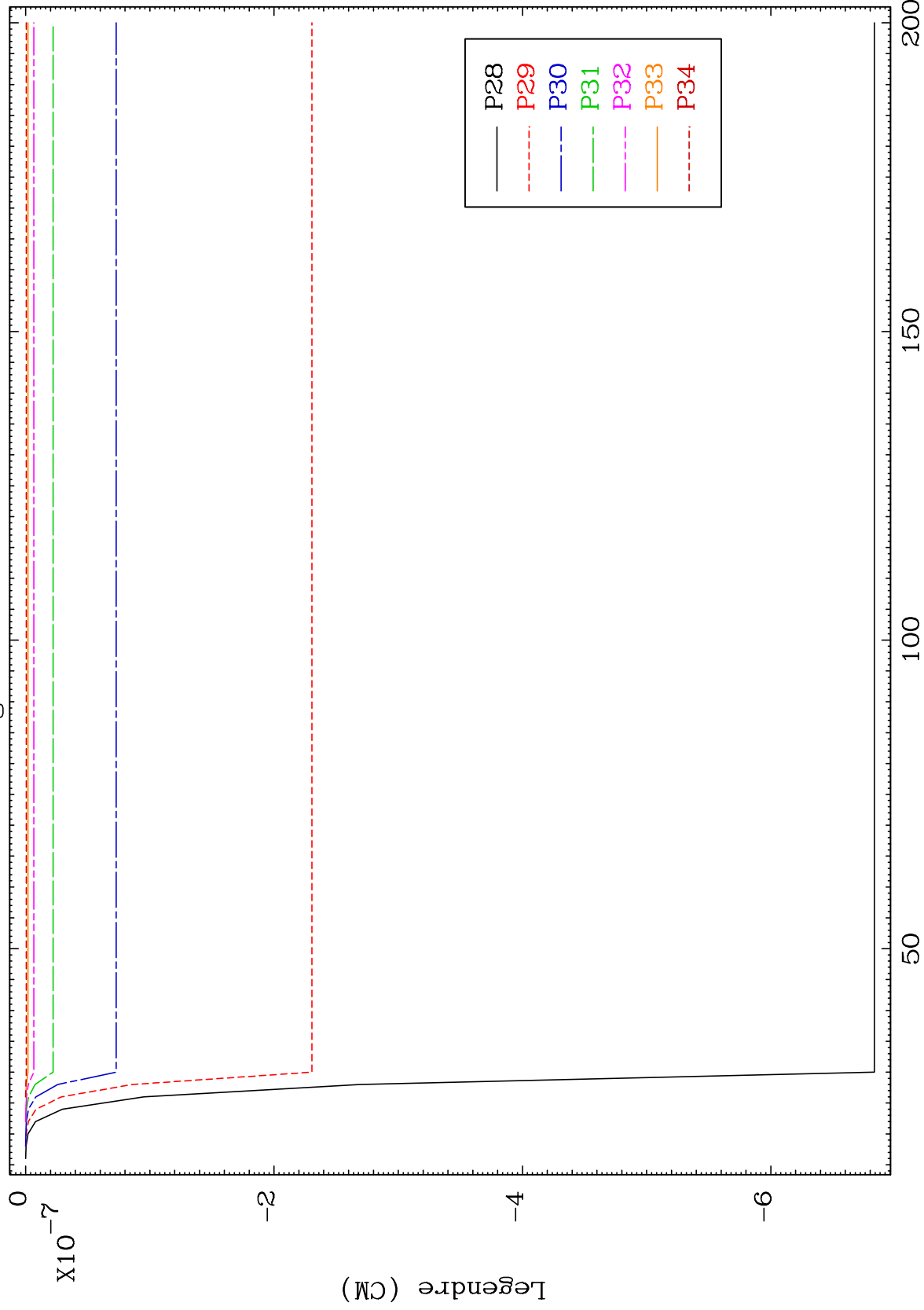
Incident Energy (MeV)

41-Nb-97

MAT 4137

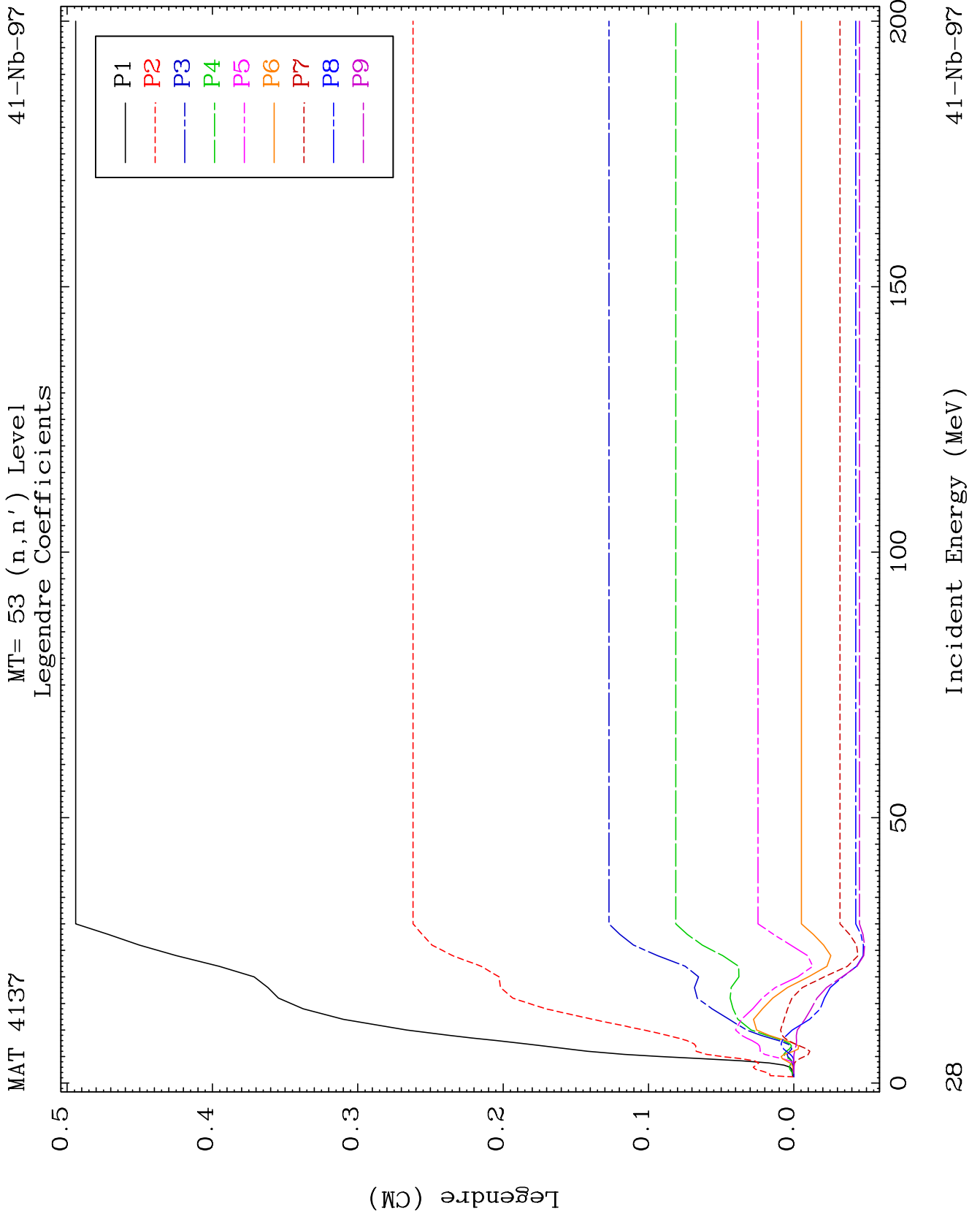
MT= 52 (n,n') Level
Legendre Coefficients

41-Nb-97



27

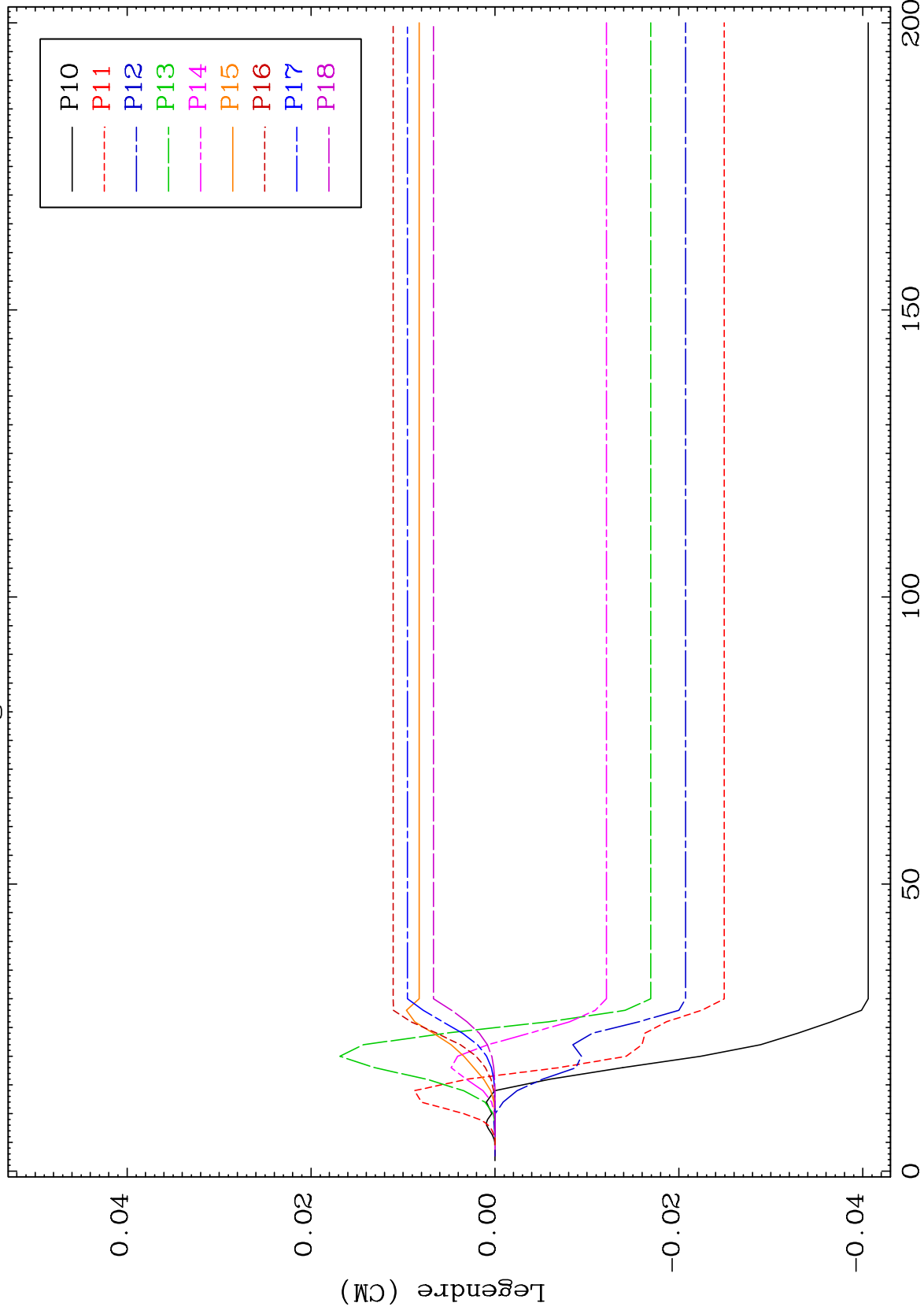
41-Nb-97



MAT 4137

MT= 53 (n,n') Level
Legendre Coefficients

41-Nb-97



29

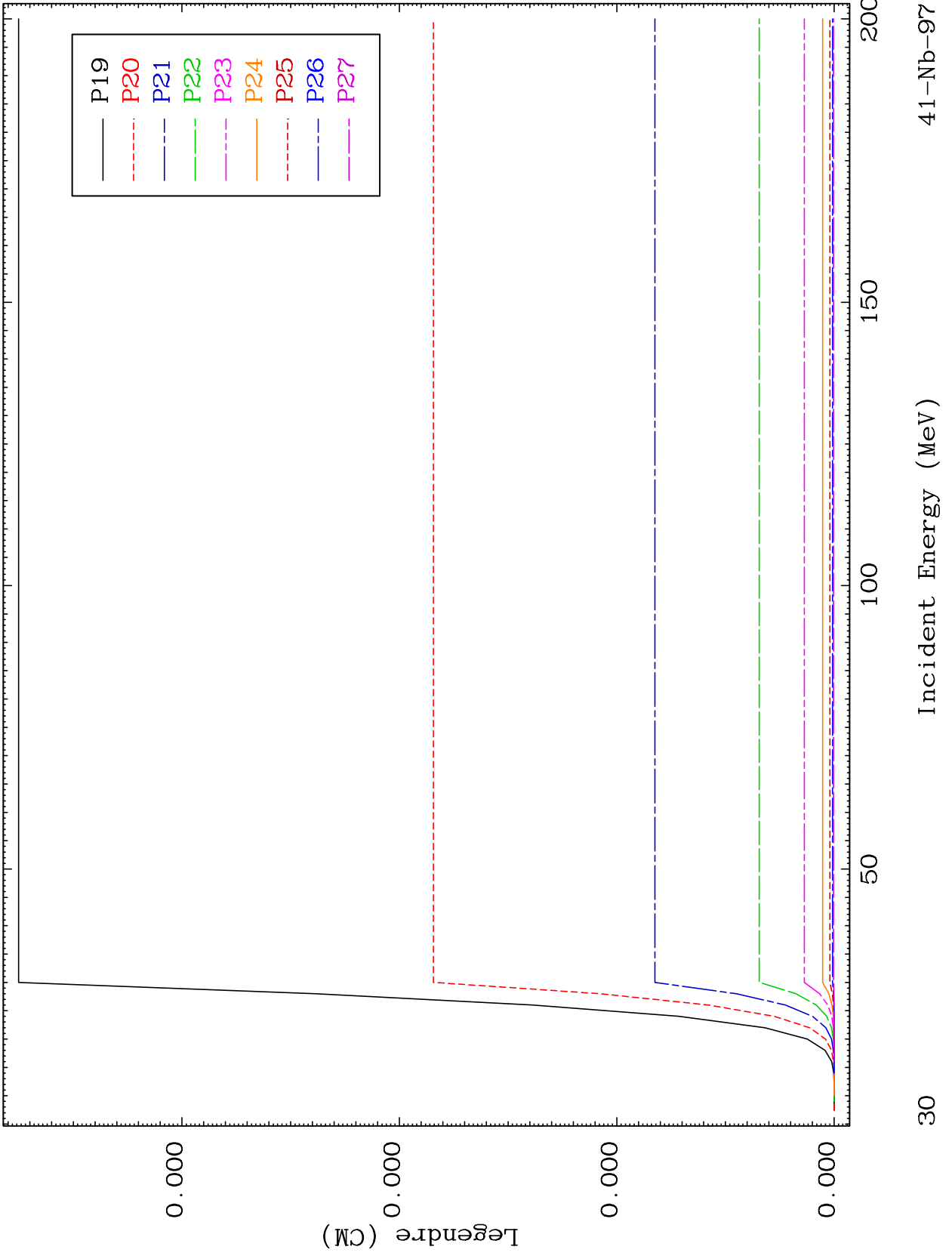
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 53 (n,n') Level
Legendre Coefficients

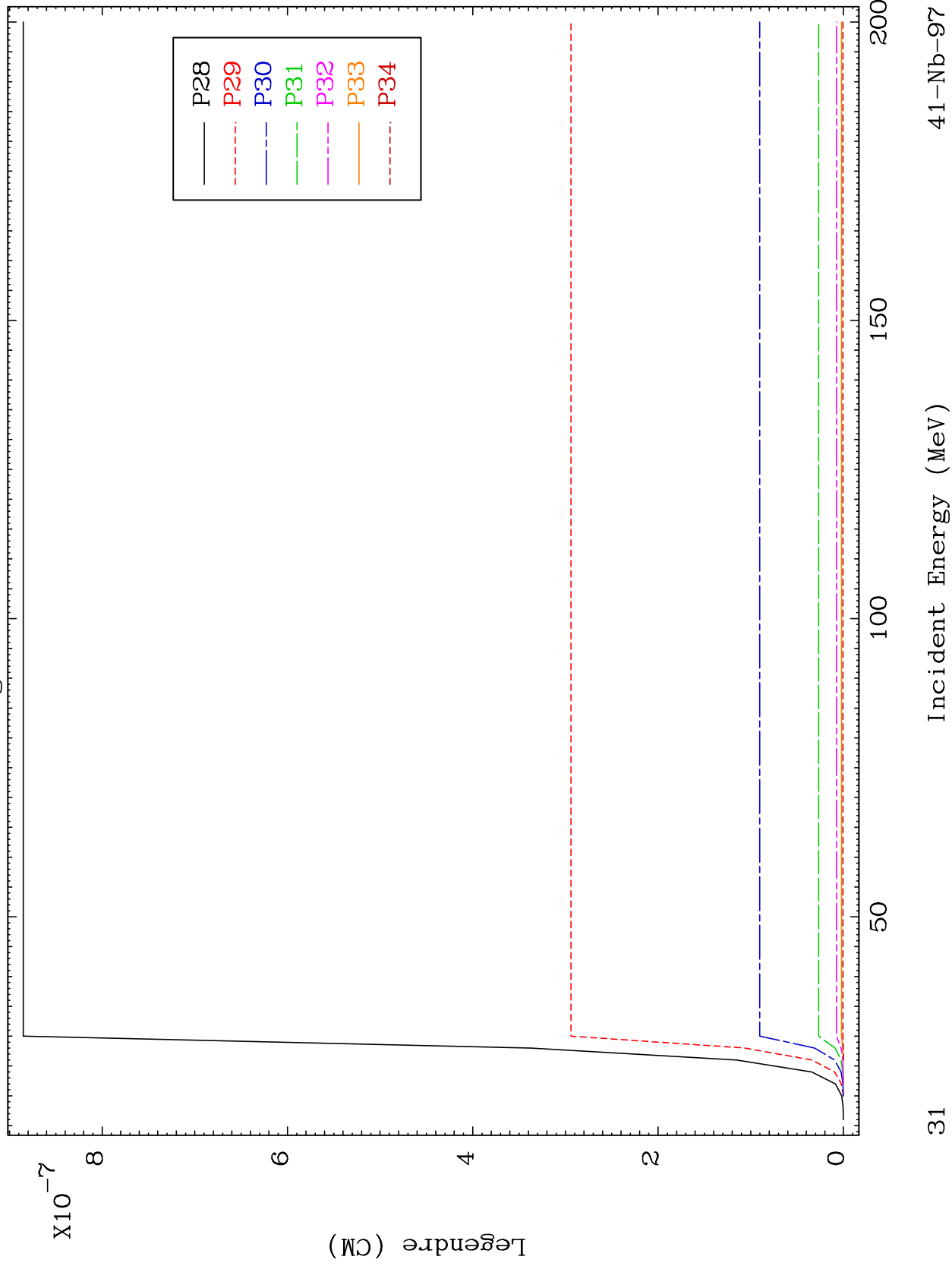
41-Nb-97



MAT 4137

MT= 53 (n,n') Level
Legendre Coefficients

41-Nb-97



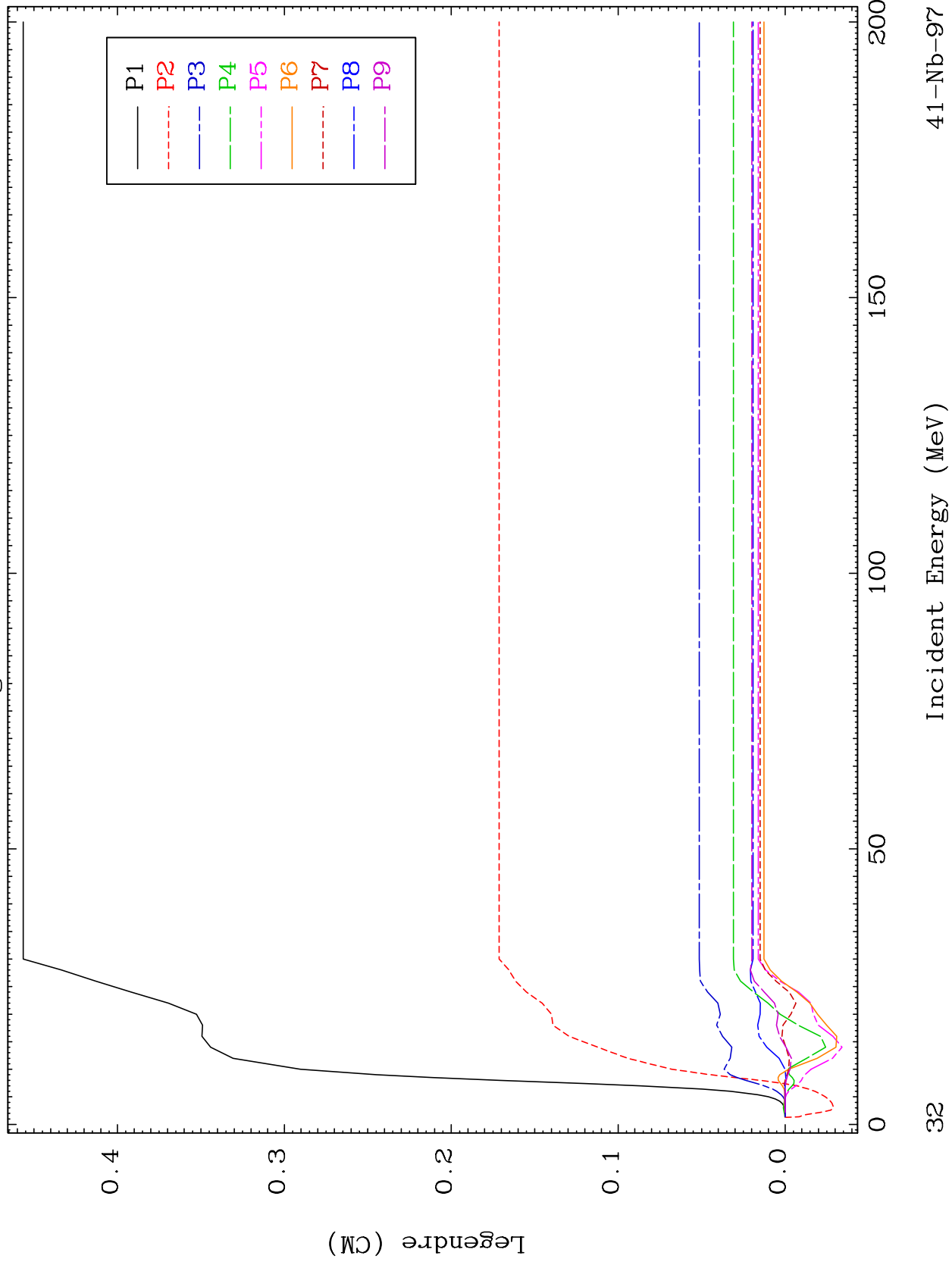
31

41-Nb-97

MAT 4137

MT= 54 (n,n') Level
Legendre Coefficients

41-Nb-97



41-Nb-97

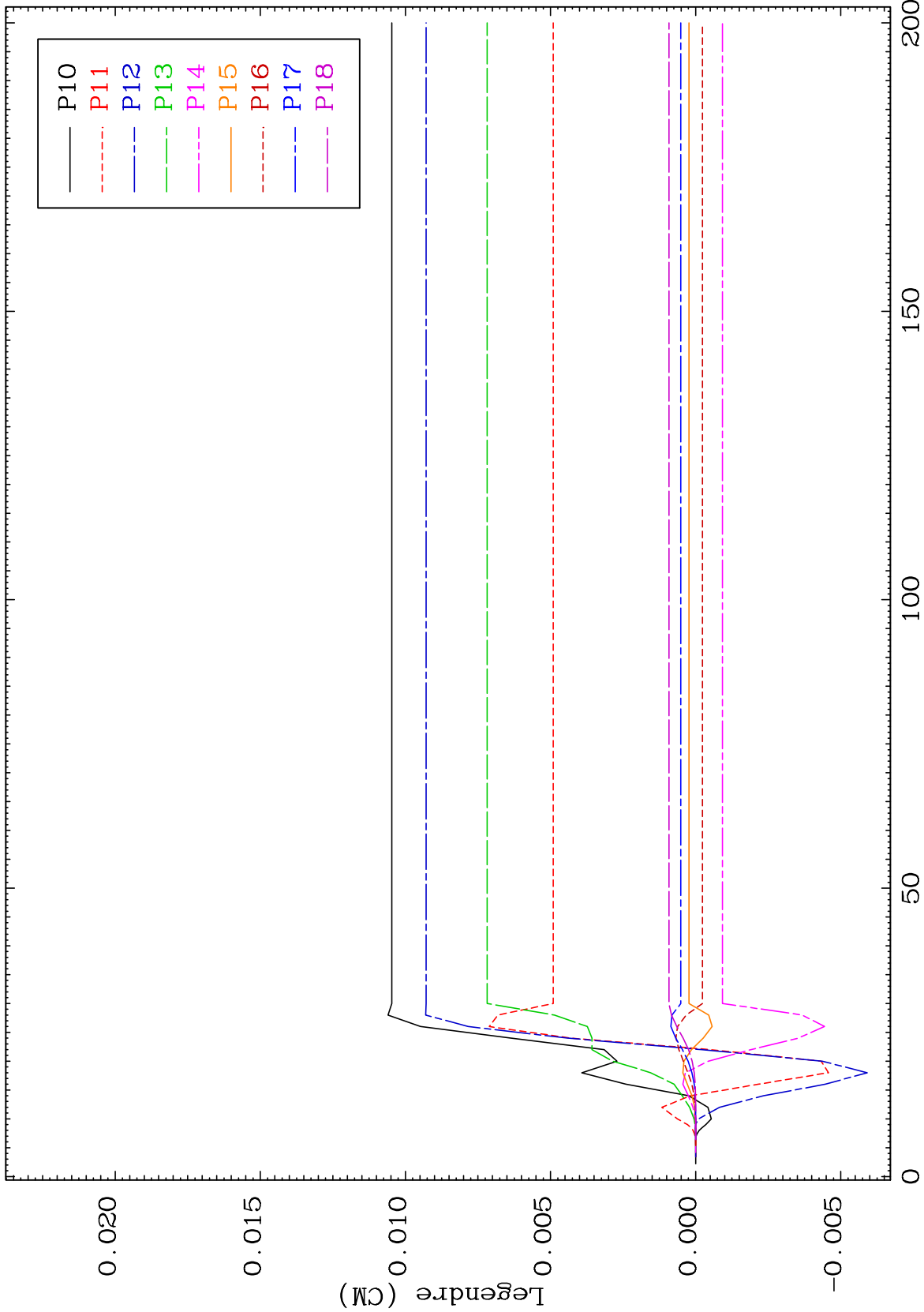
Incident Energy (MeV)

32

MAT 4137

MT= 54 (n,n') Level
Legendre Coefficients

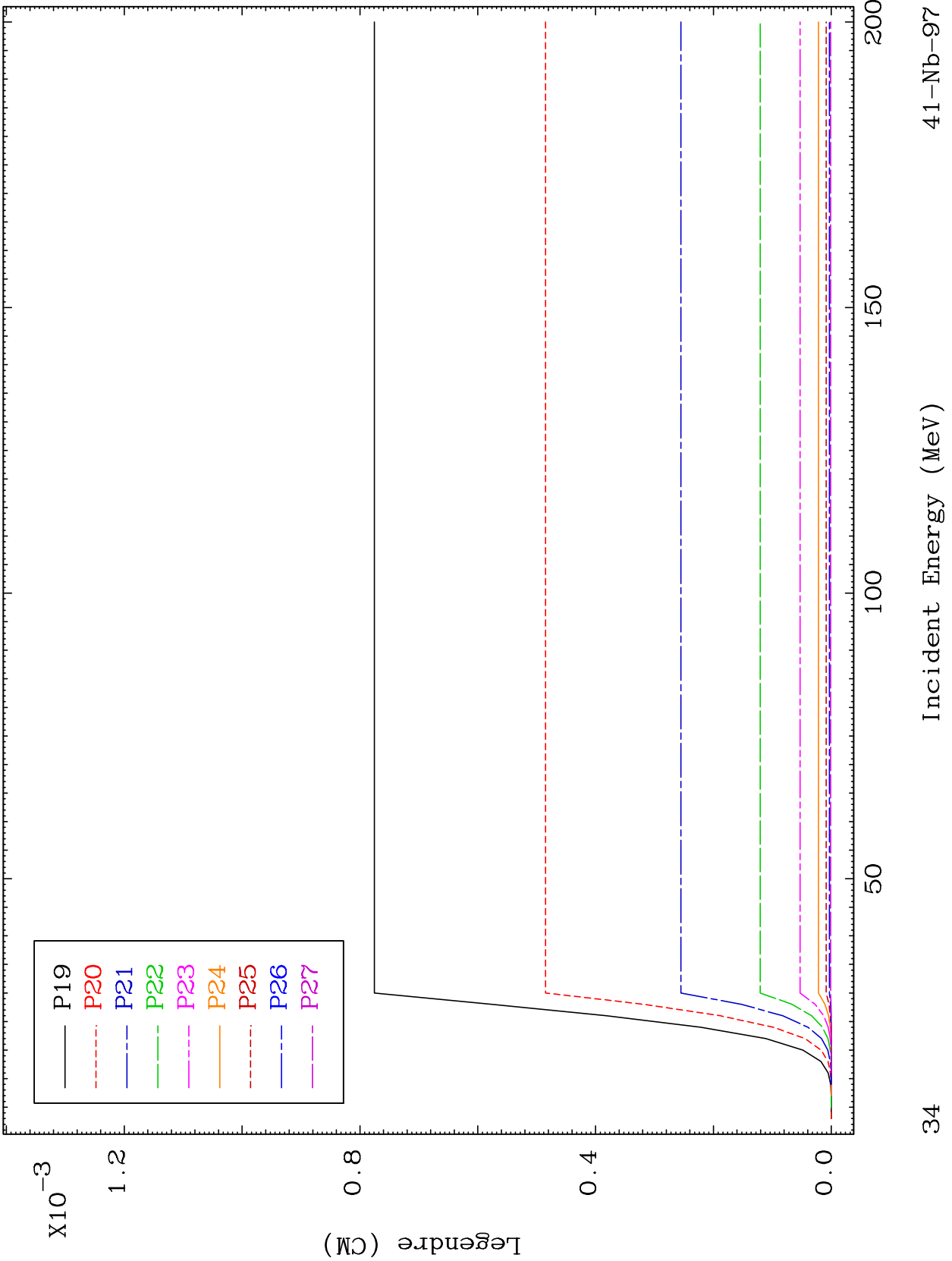
41-Nb-97



33

Incident Energy (MeV)

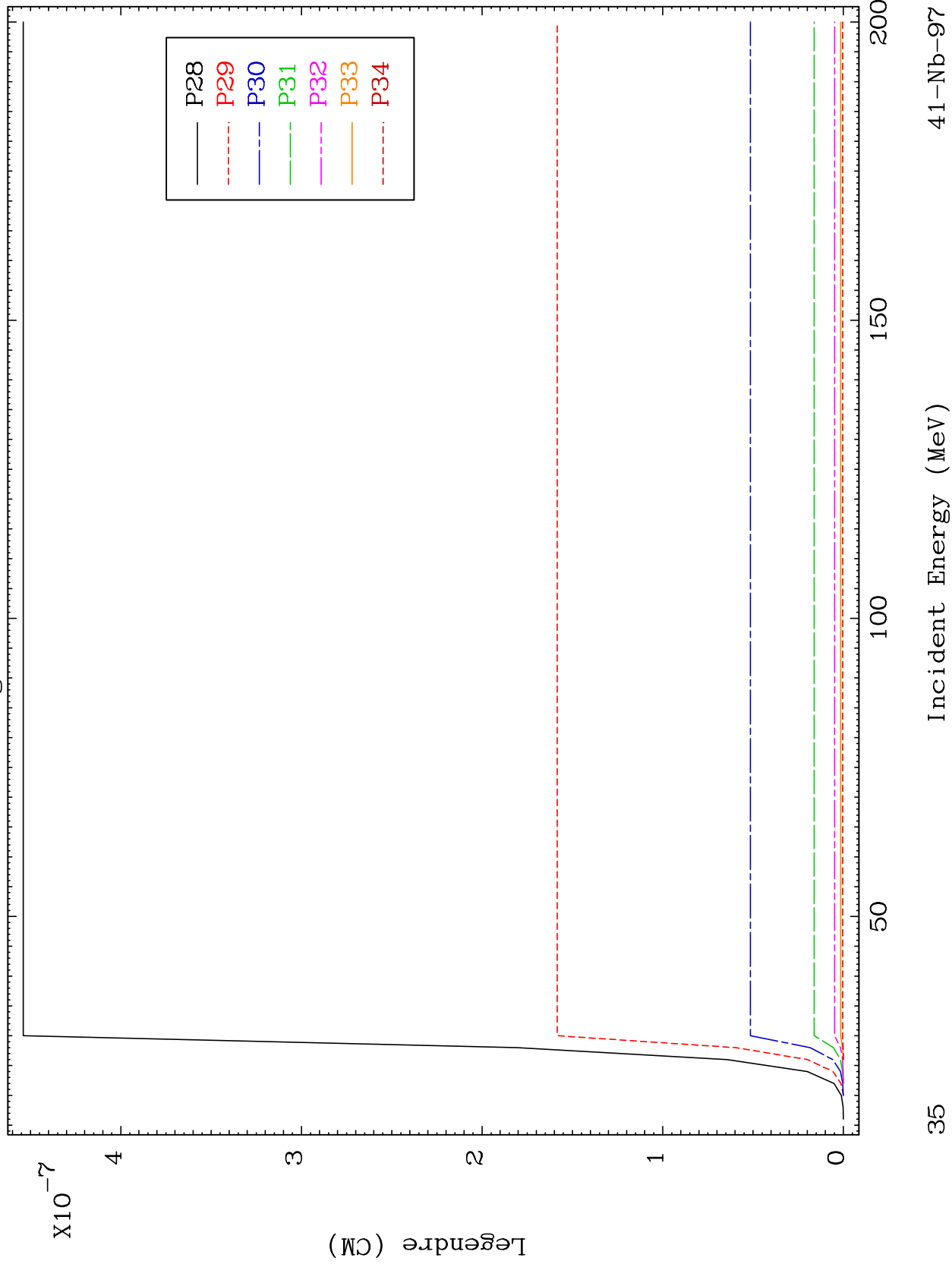
41-Nb-97



MAT 4137

MT= 54 (n,n') Level
Legendre Coefficients

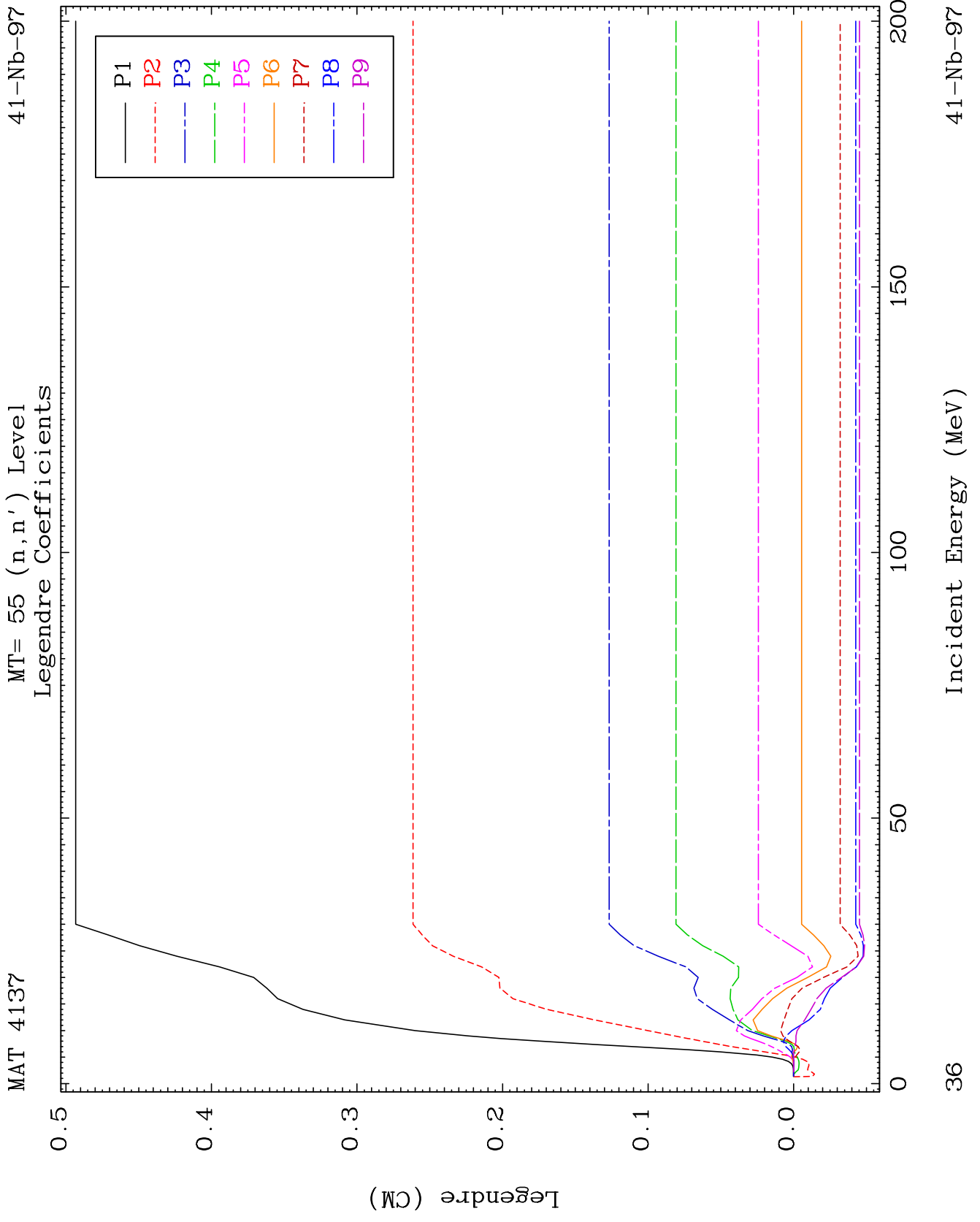
41-Nb-97



35

Incident Energy (MeV)

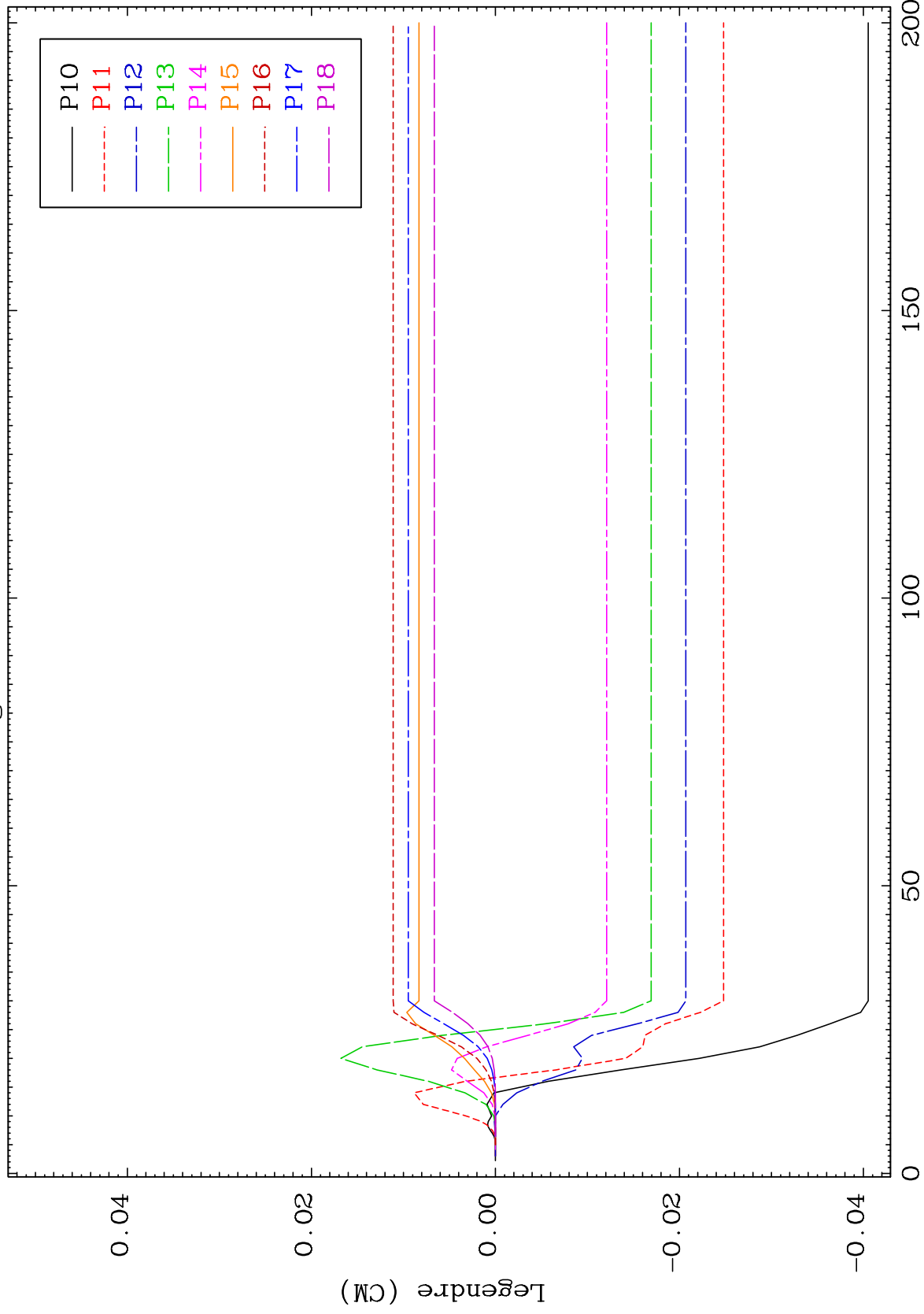
41-Nb-97



MAT 4137

MT= 55 (n,n') Level
Legendre Coefficients

41-Nb-97



37

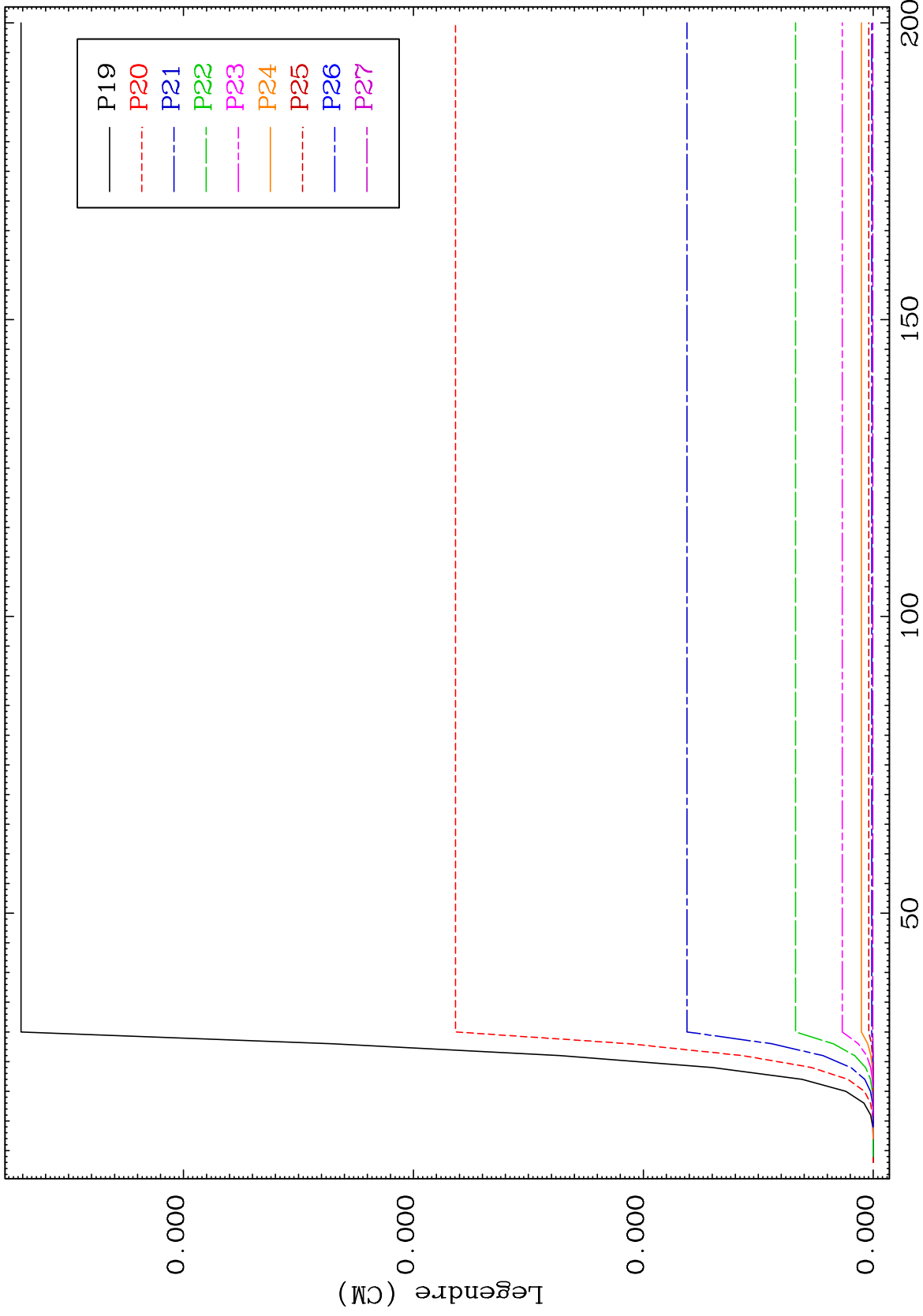
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 55 (n,n') Level
Legendre Coefficients

41-Nb-97



38

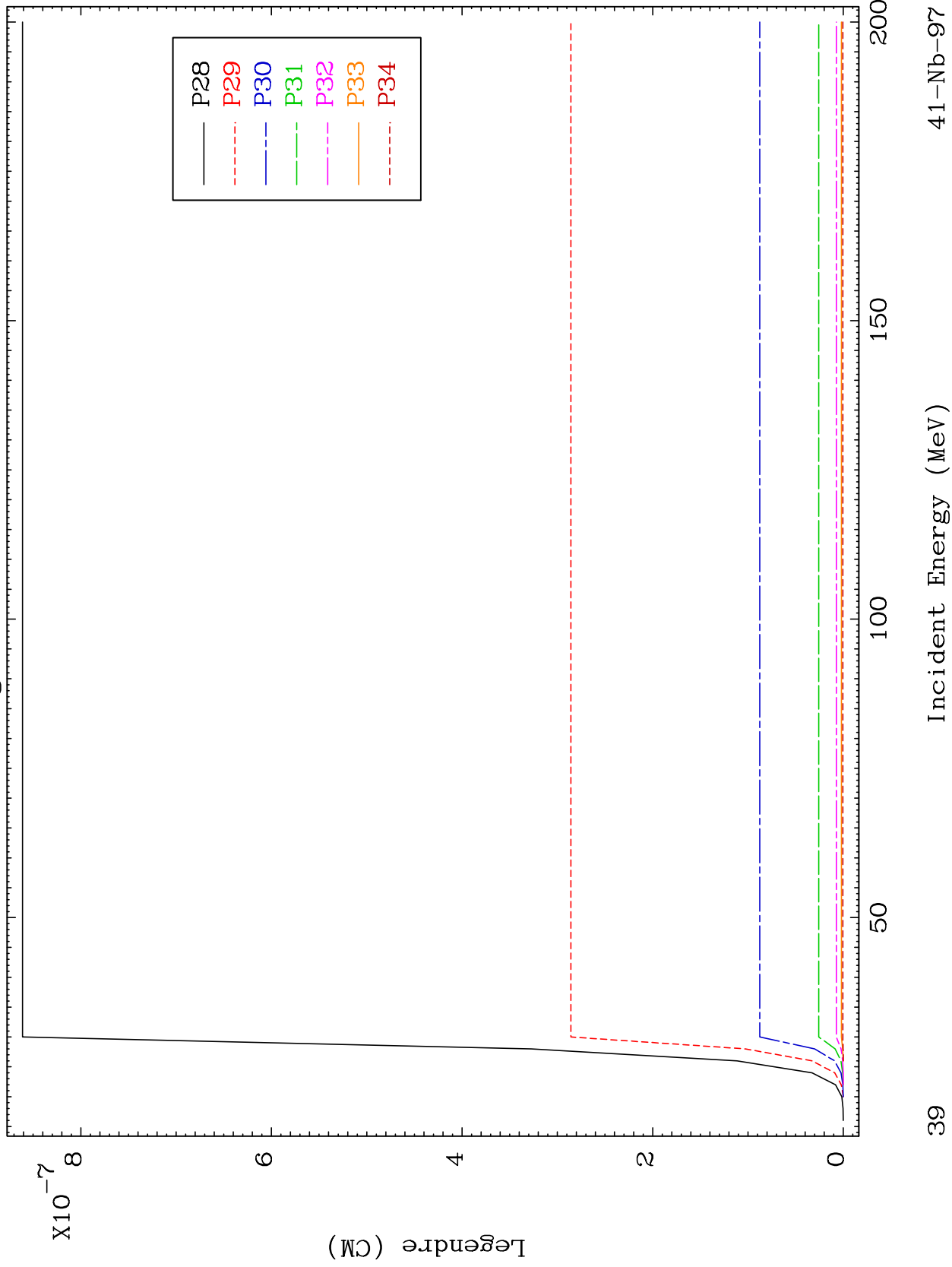
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 55 (n,n') Level
Legendre Coefficients

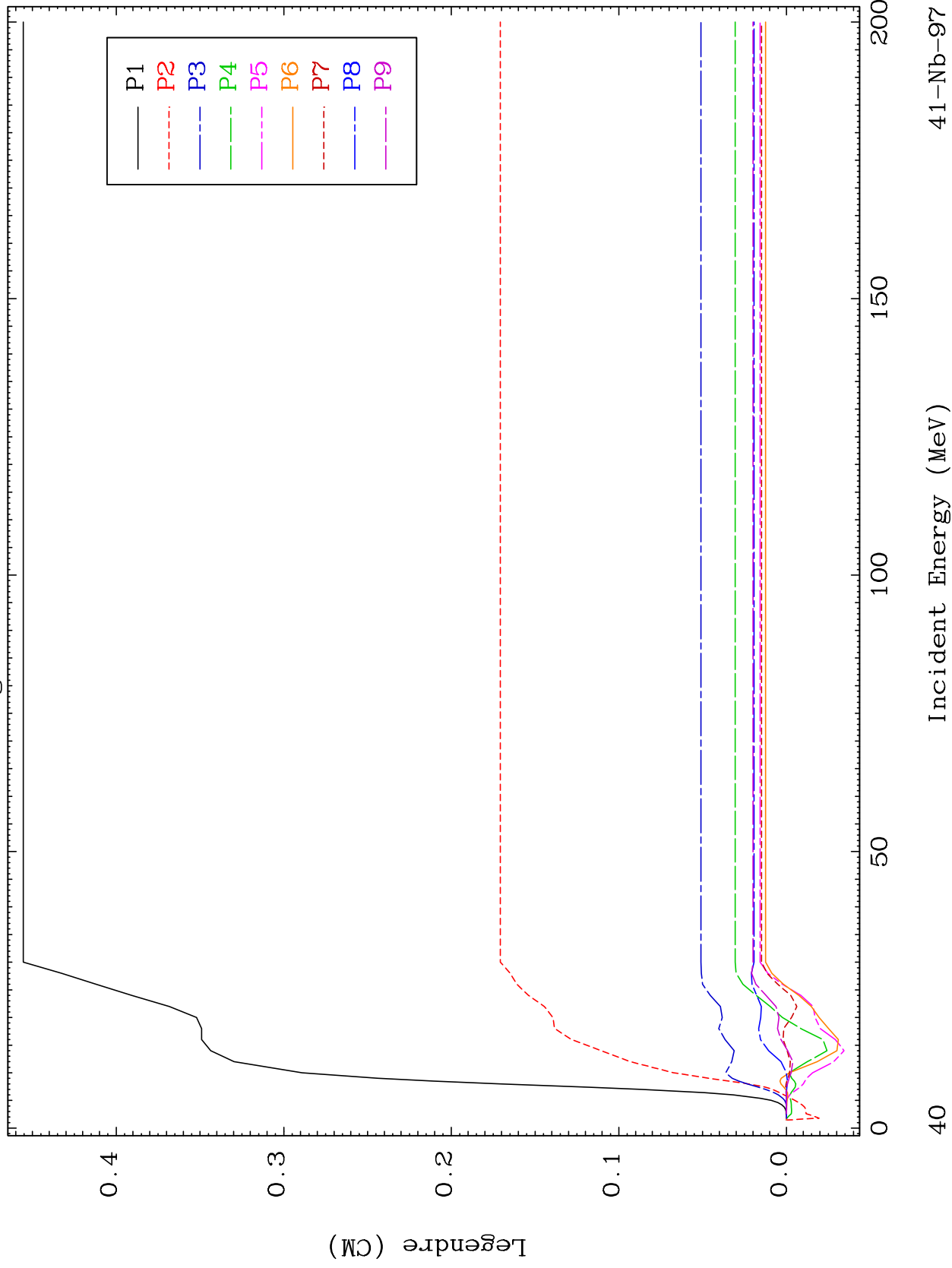
41-Nb-97



MAT 4137

MT= 56 (n,n') Level
Legendre Coefficients

41-Nb-97

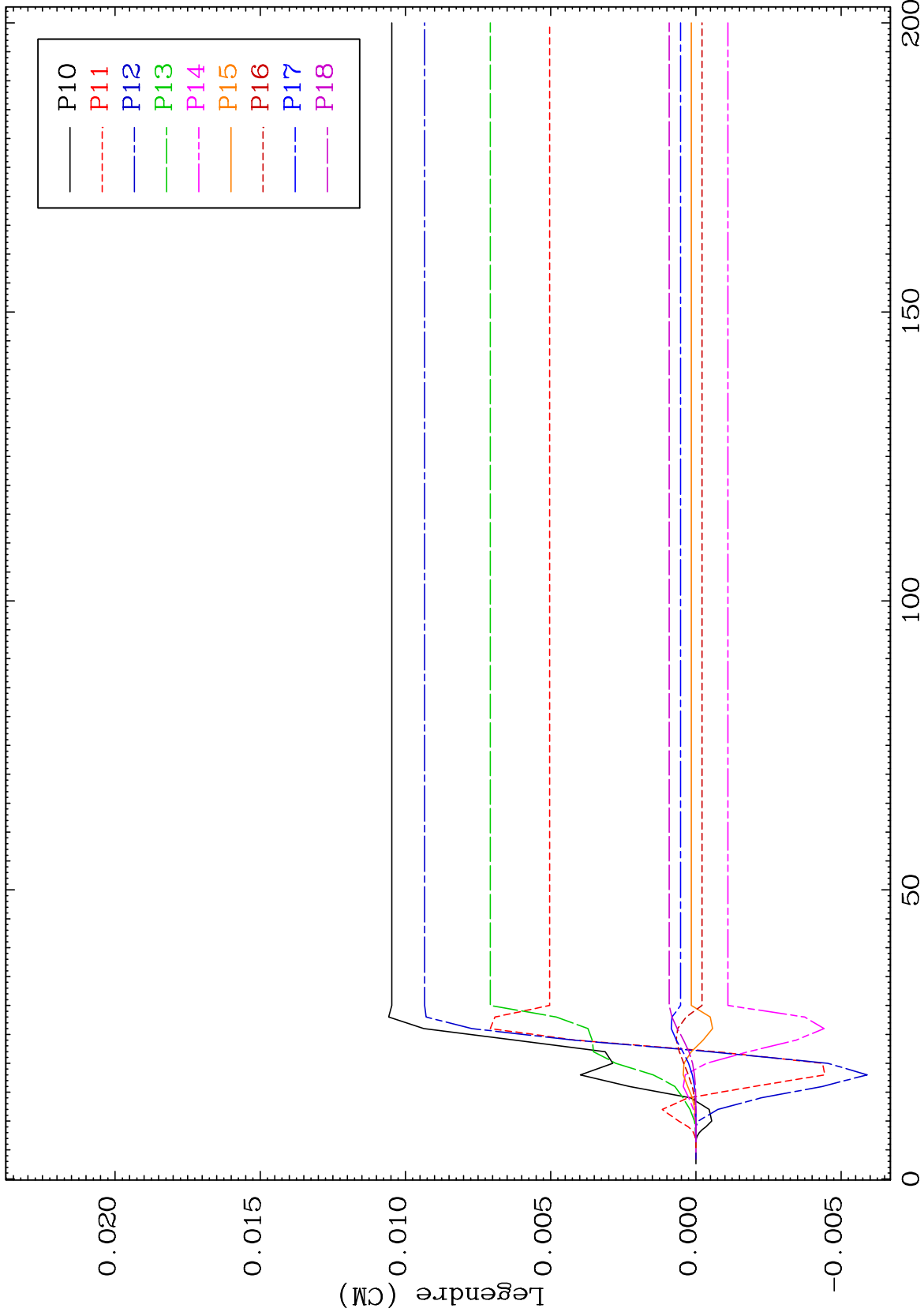


41-Nb-97

MAT 4137

MT= 56 (n,n') Level
Legendre Coefficients

41-Nb-97



41

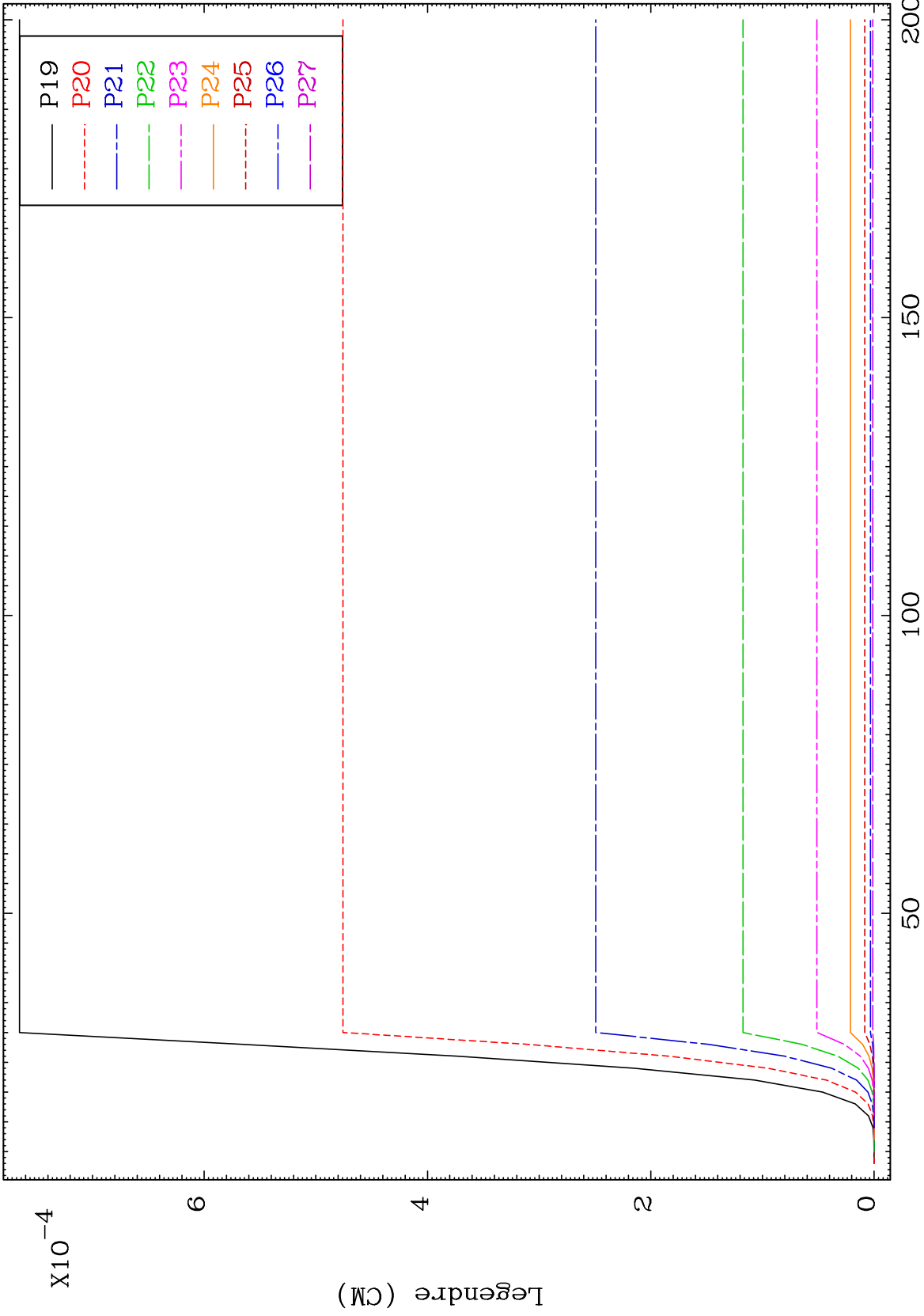
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 56 (n,n') Level
Legendre Coefficients

41-Nb-97



42

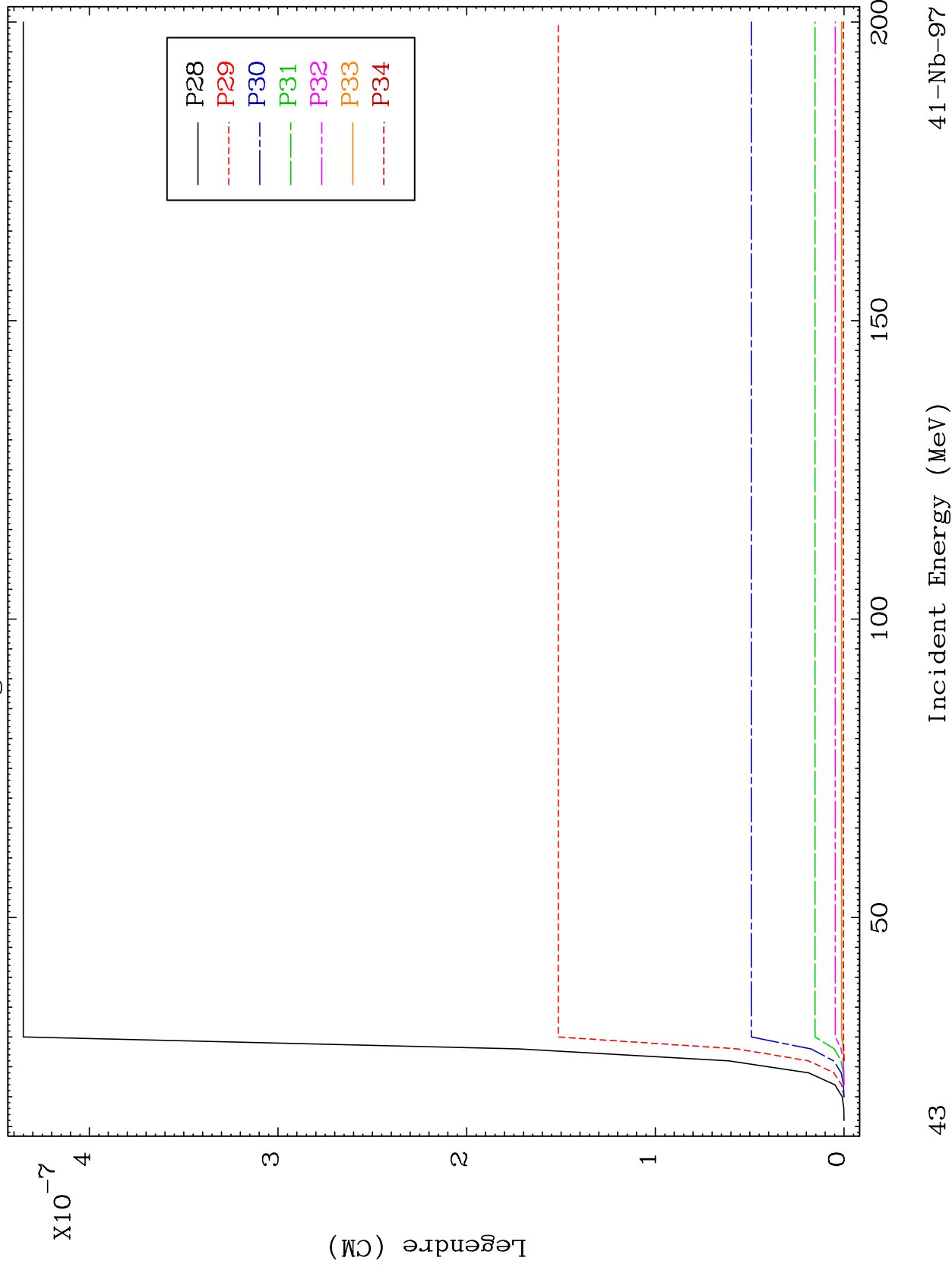
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 56 (n,n') Level
Legendre Coefficients

41-Nb-97



43

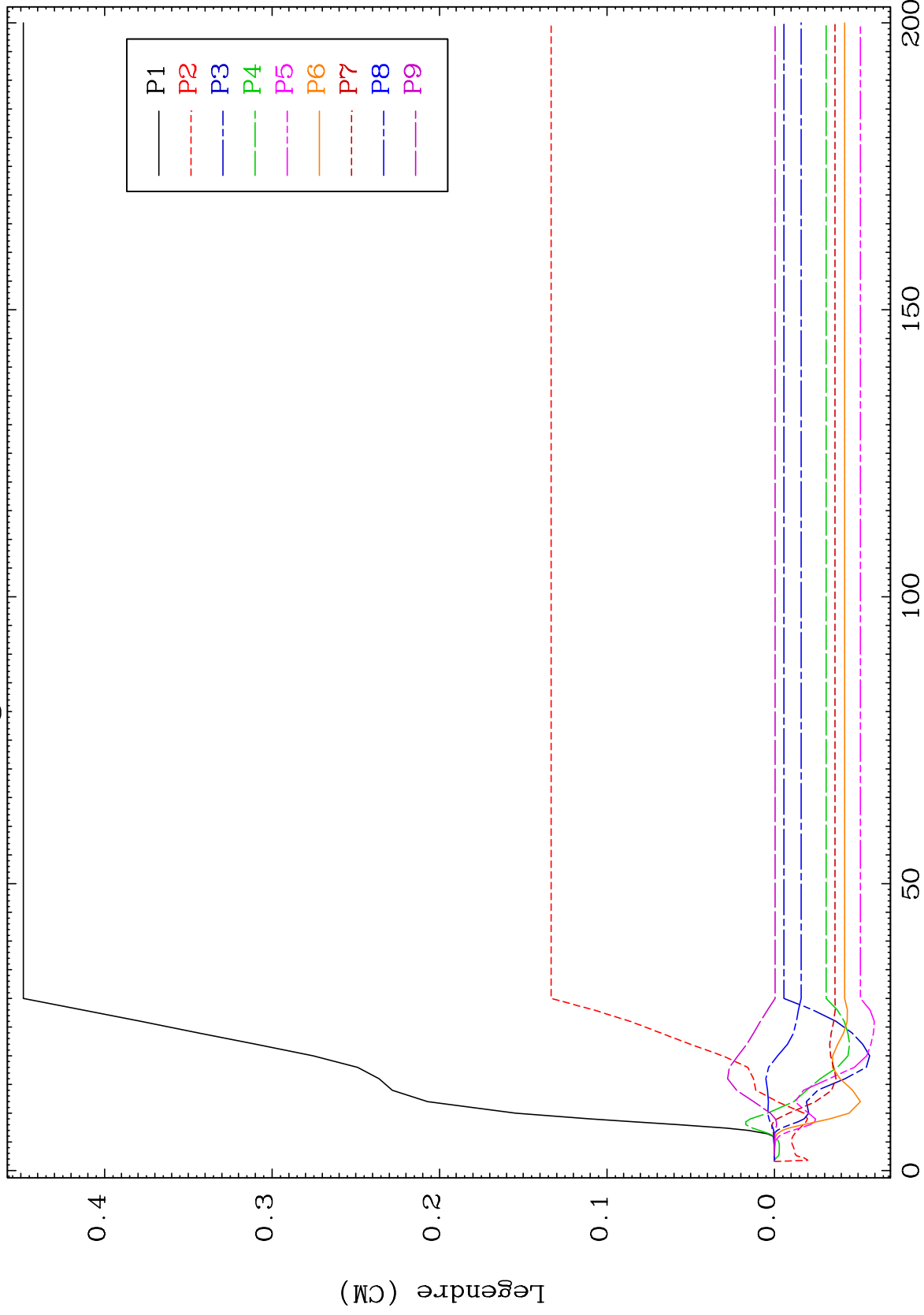
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 57 (n,n') Level
Legendre Coefficients

41-Nb-97



44

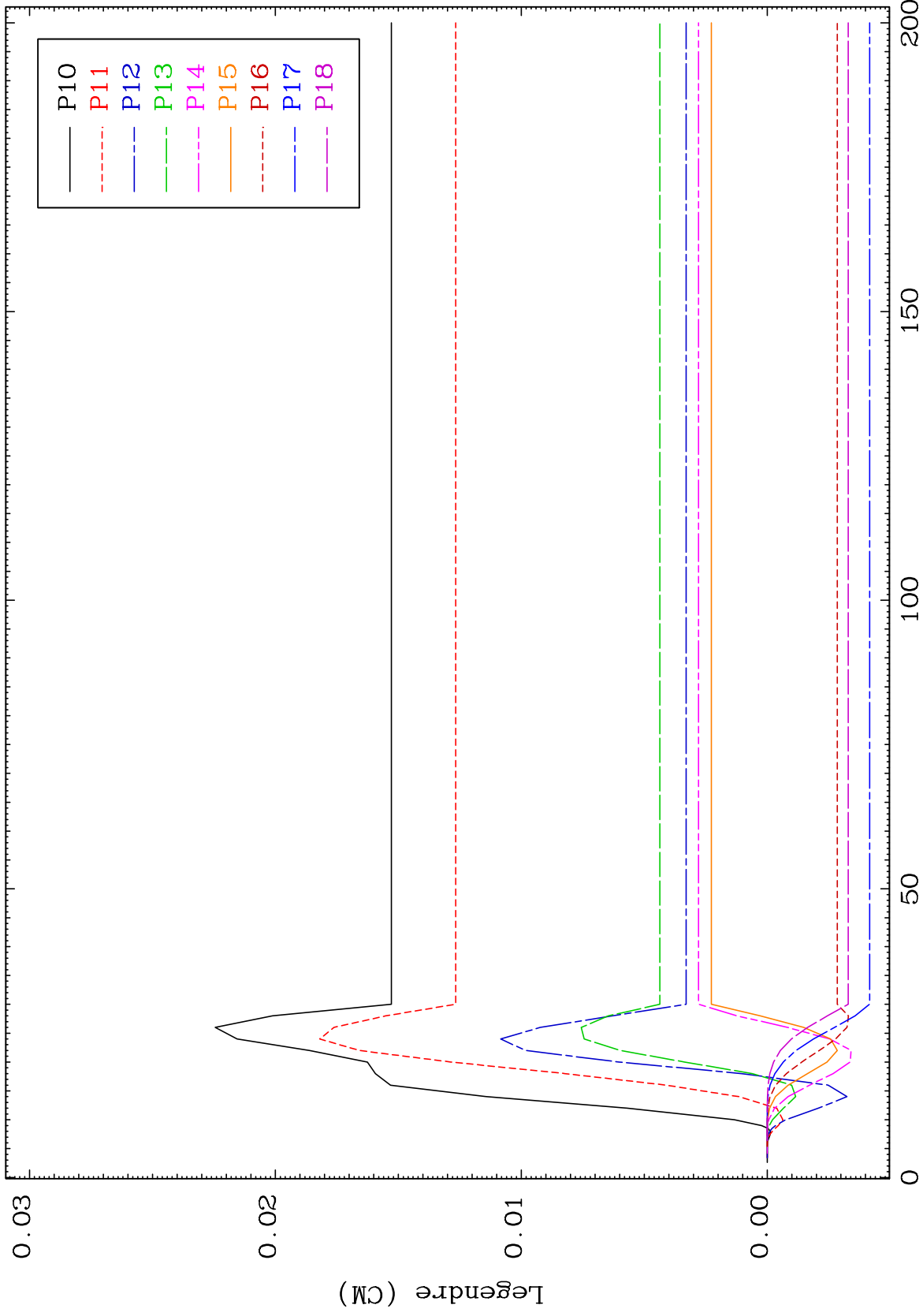
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 57 (n,n') Level
Legendre Coefficients

41-Nb-97



45

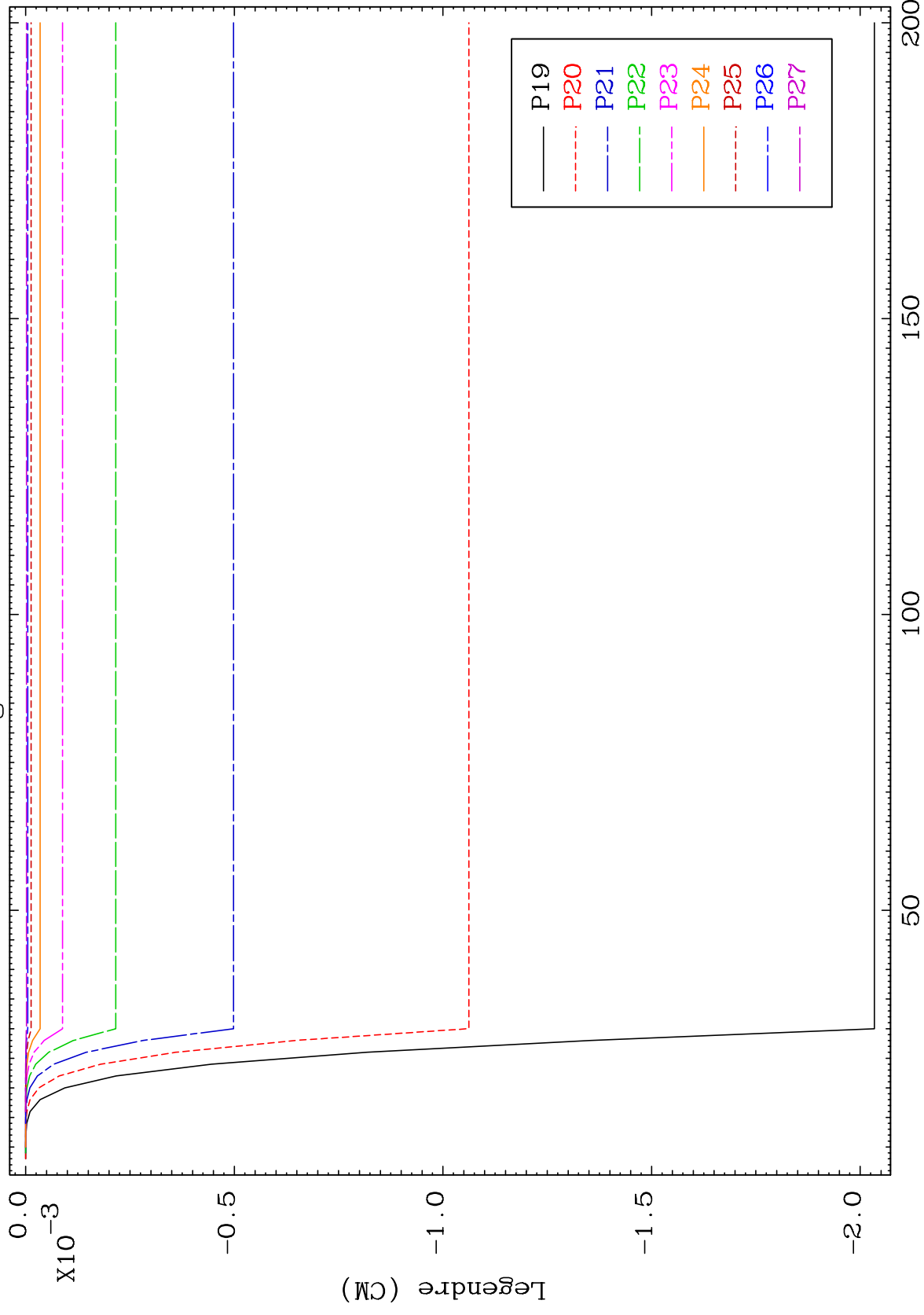
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 57 (n,n') Level
Legendre Coefficients

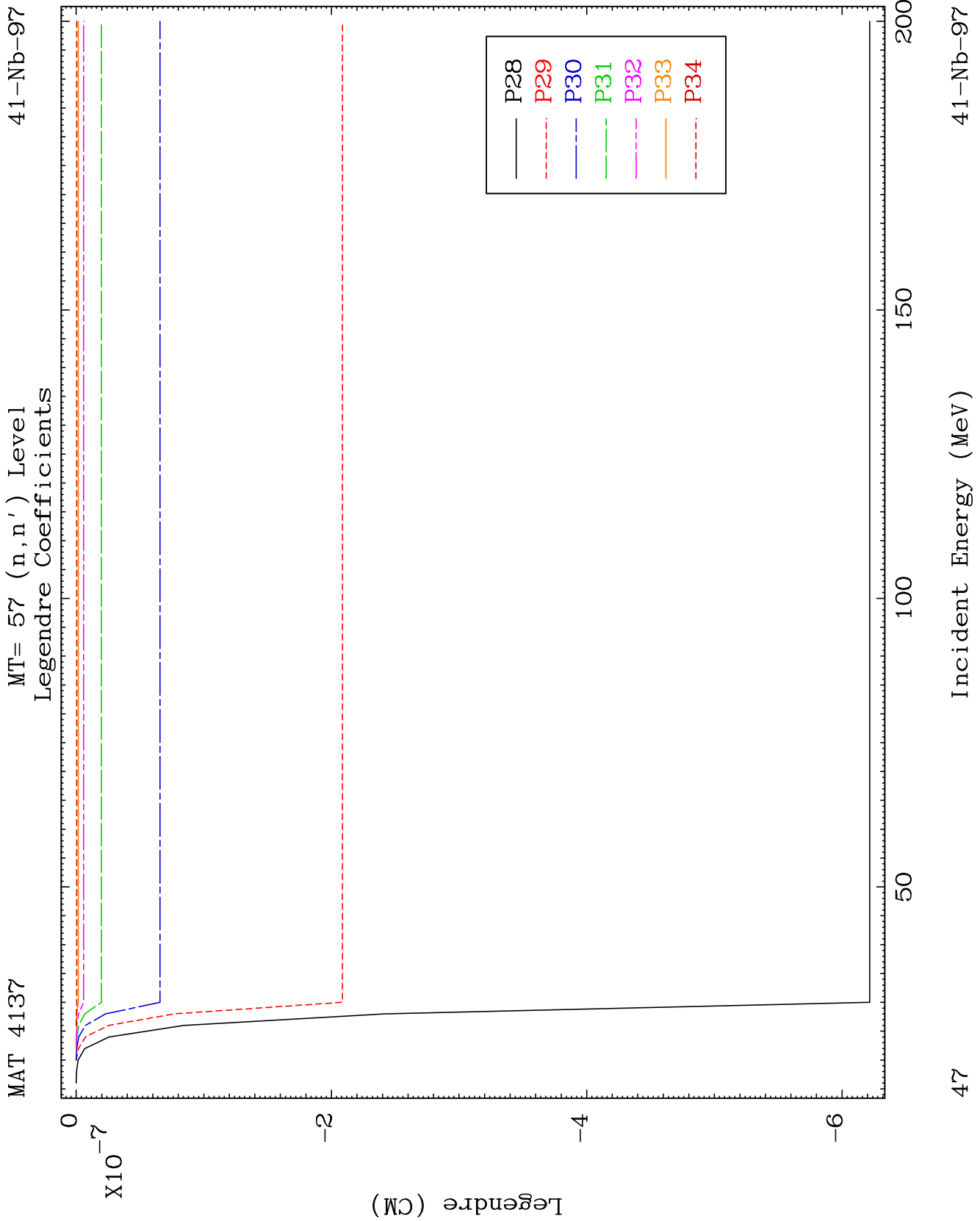
41-Nb-97



46

Incident Energy (MeV)

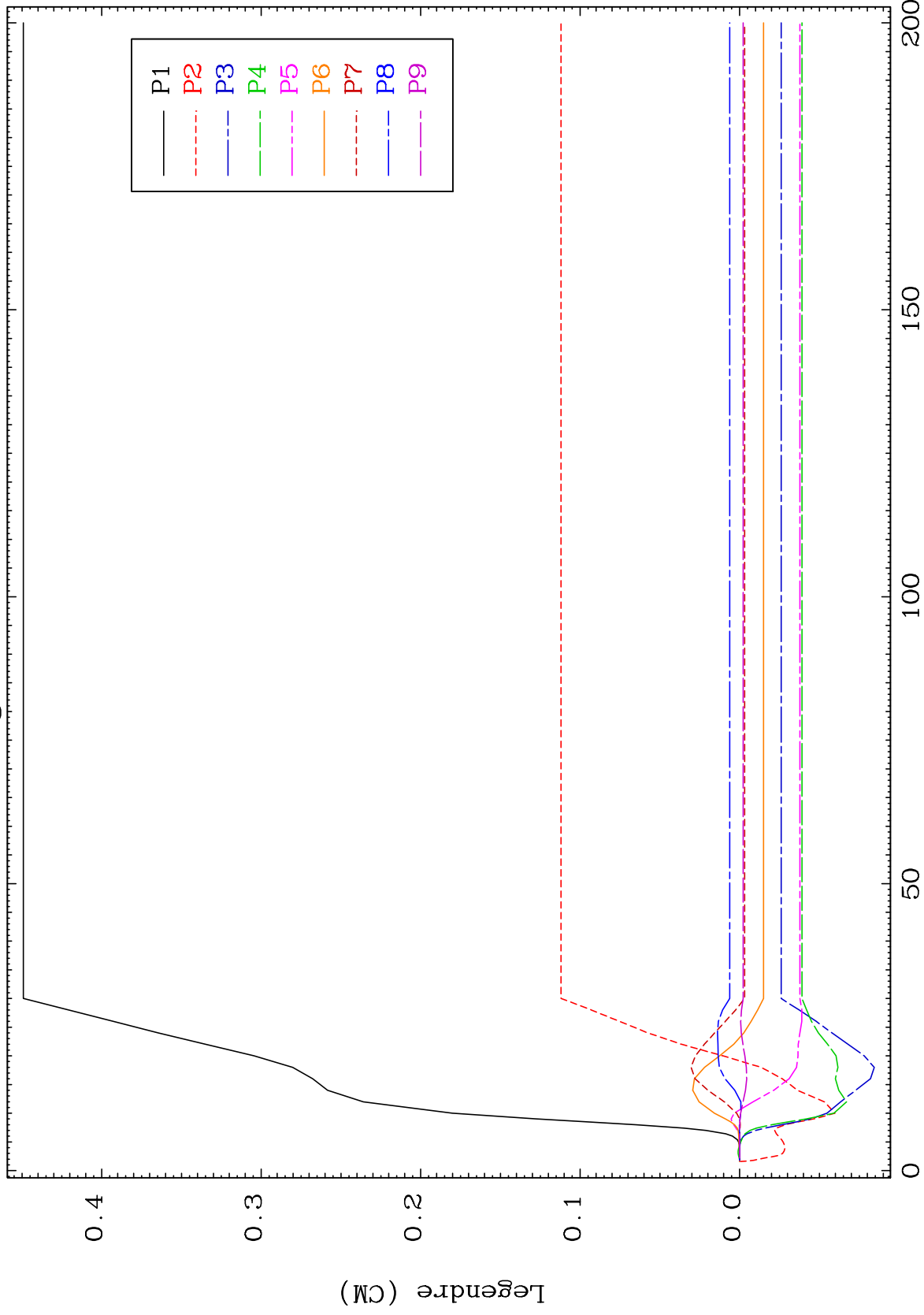
41-Nb-97



MAT 4137

MT= 58 (n,n') Level
Legendre Coefficients

41-Nb-97



48

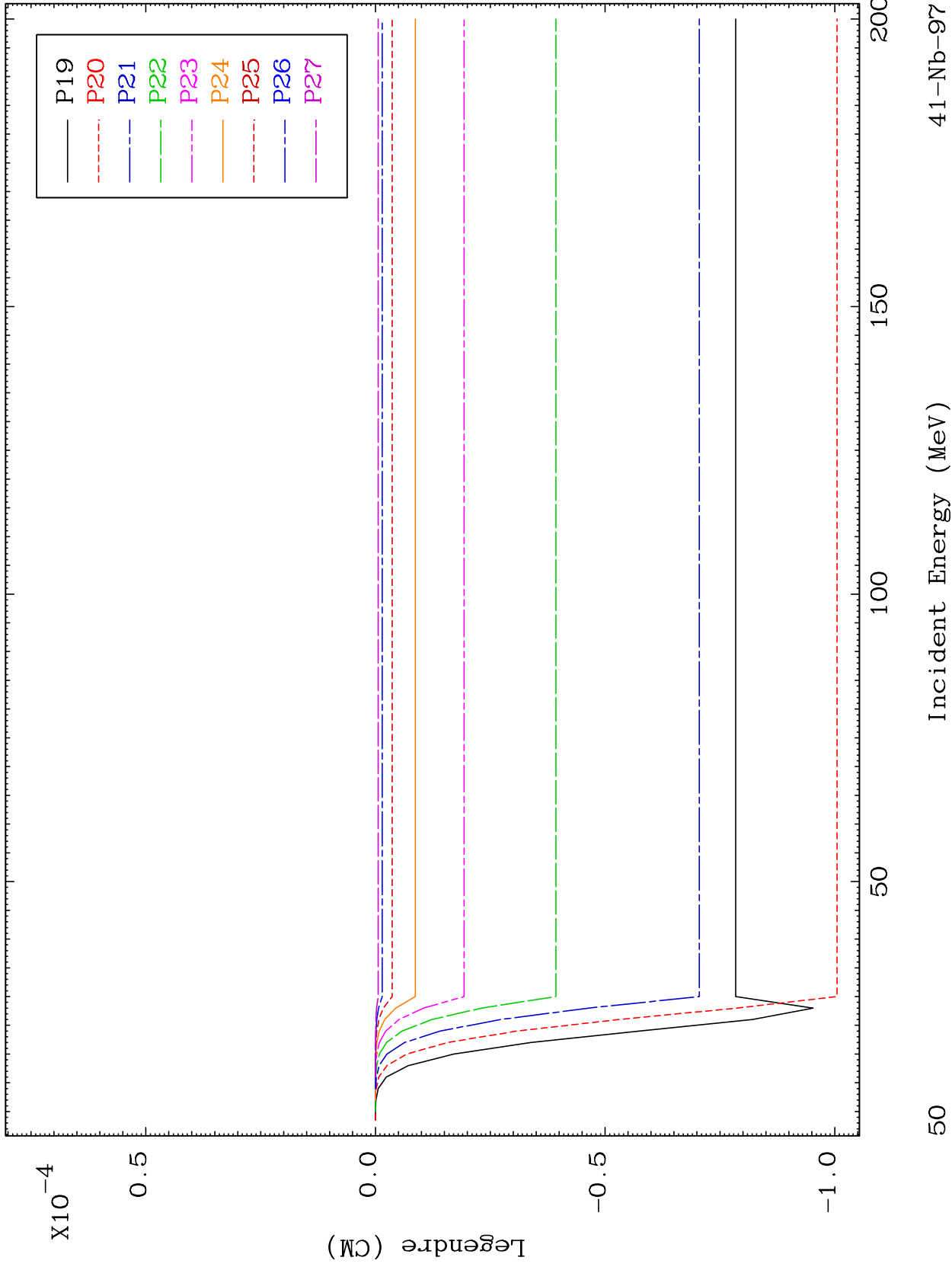
Incident Energy (MeV)

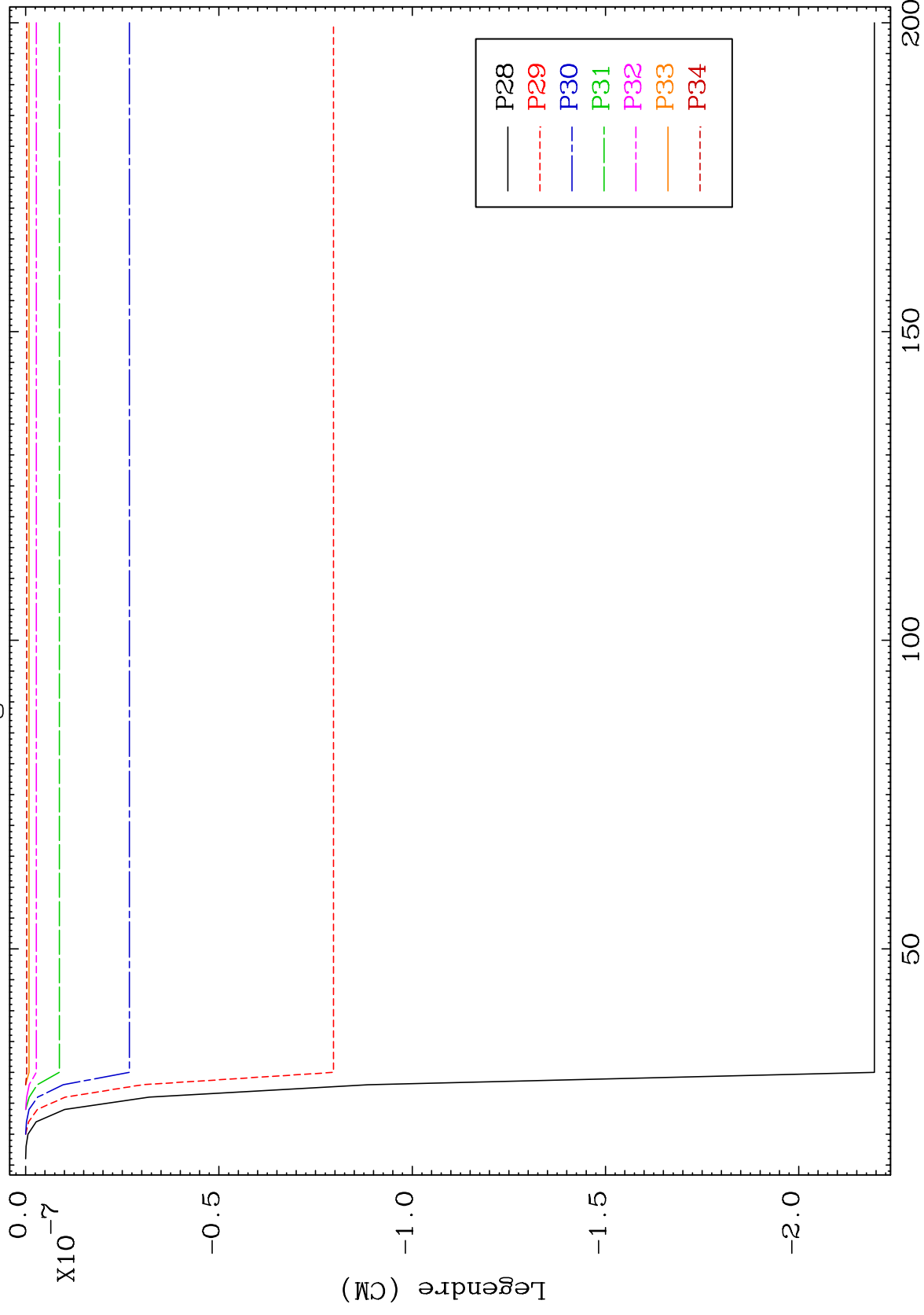
41-Nb-97

MAT 4137

MT= 58 (n,n') Level
Legendre Coefficients

41-Nb-97

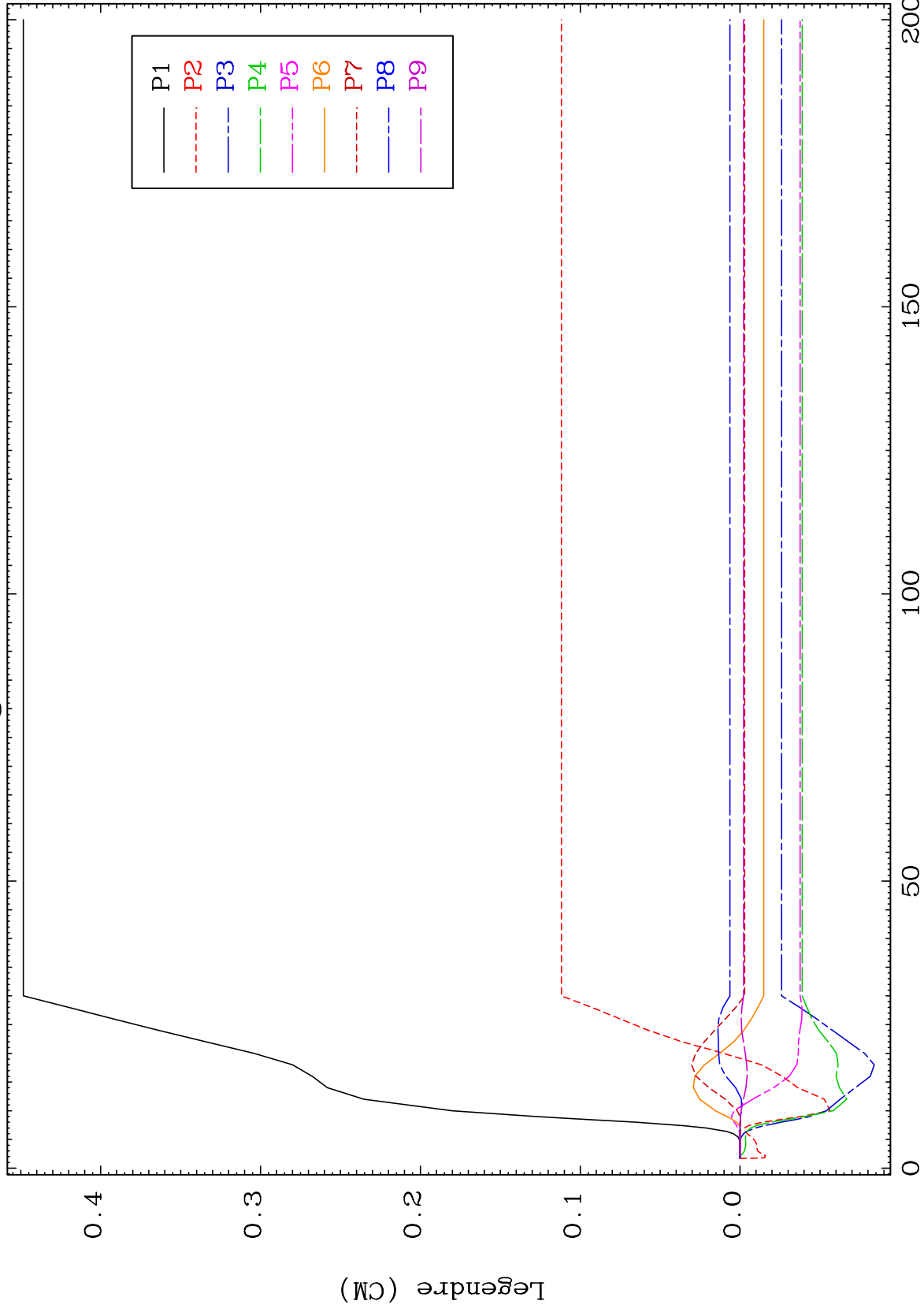




MAT 4137

MT= 59 (n,n') Level
Legendre Coefficients

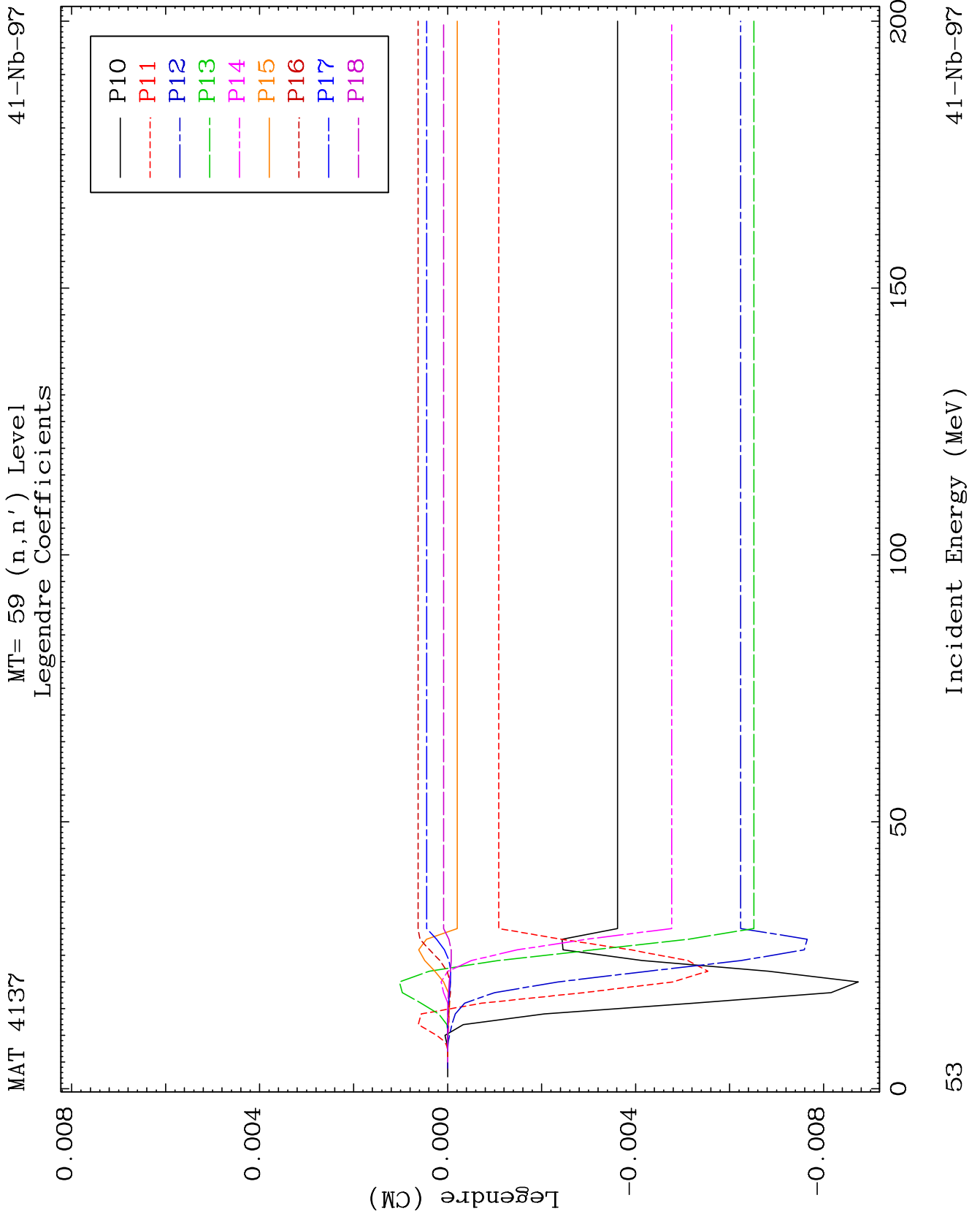
41-Nb-97



52

Incident Energy (MeV)

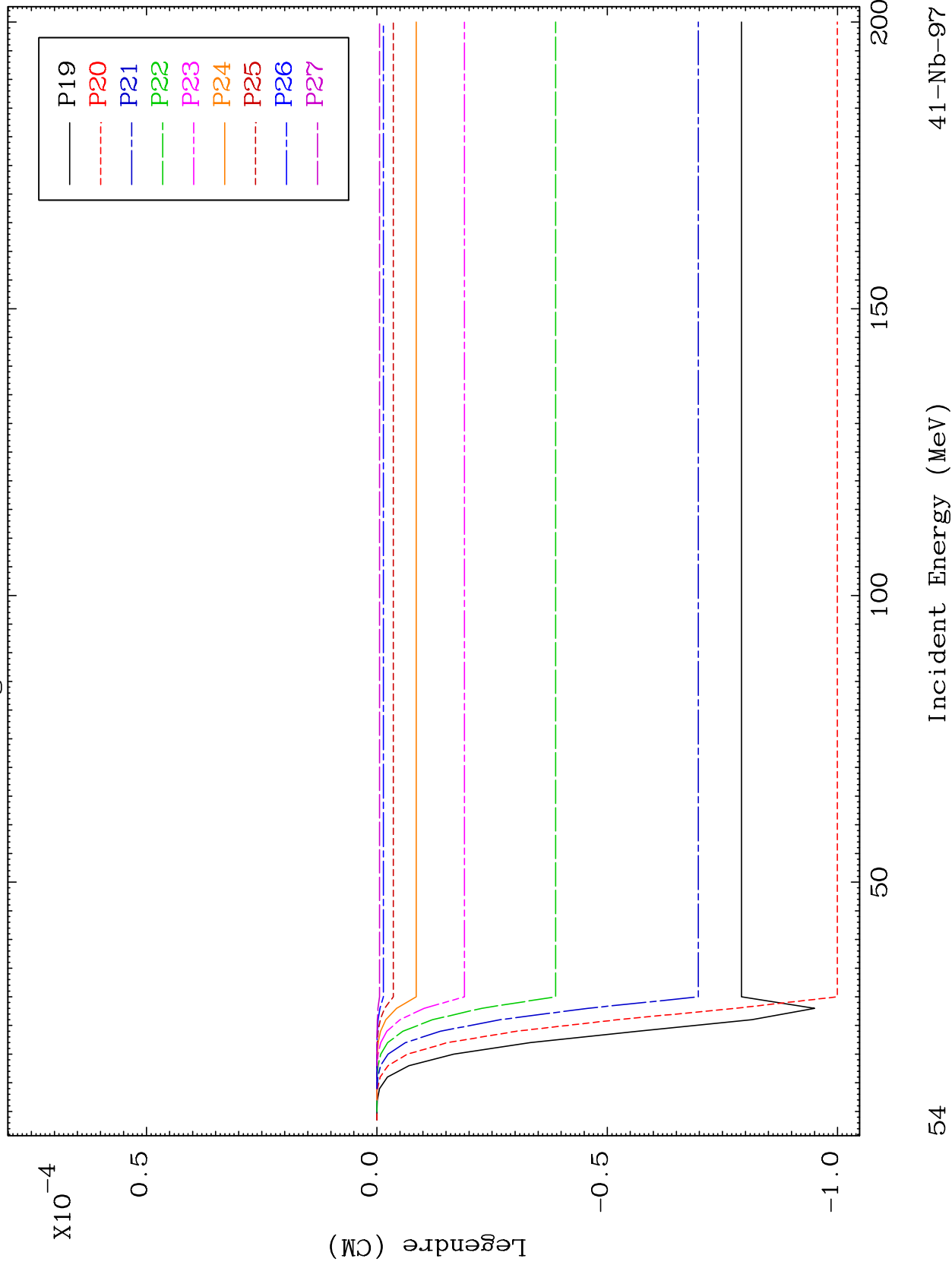
41-Nb-97



MAT 4137

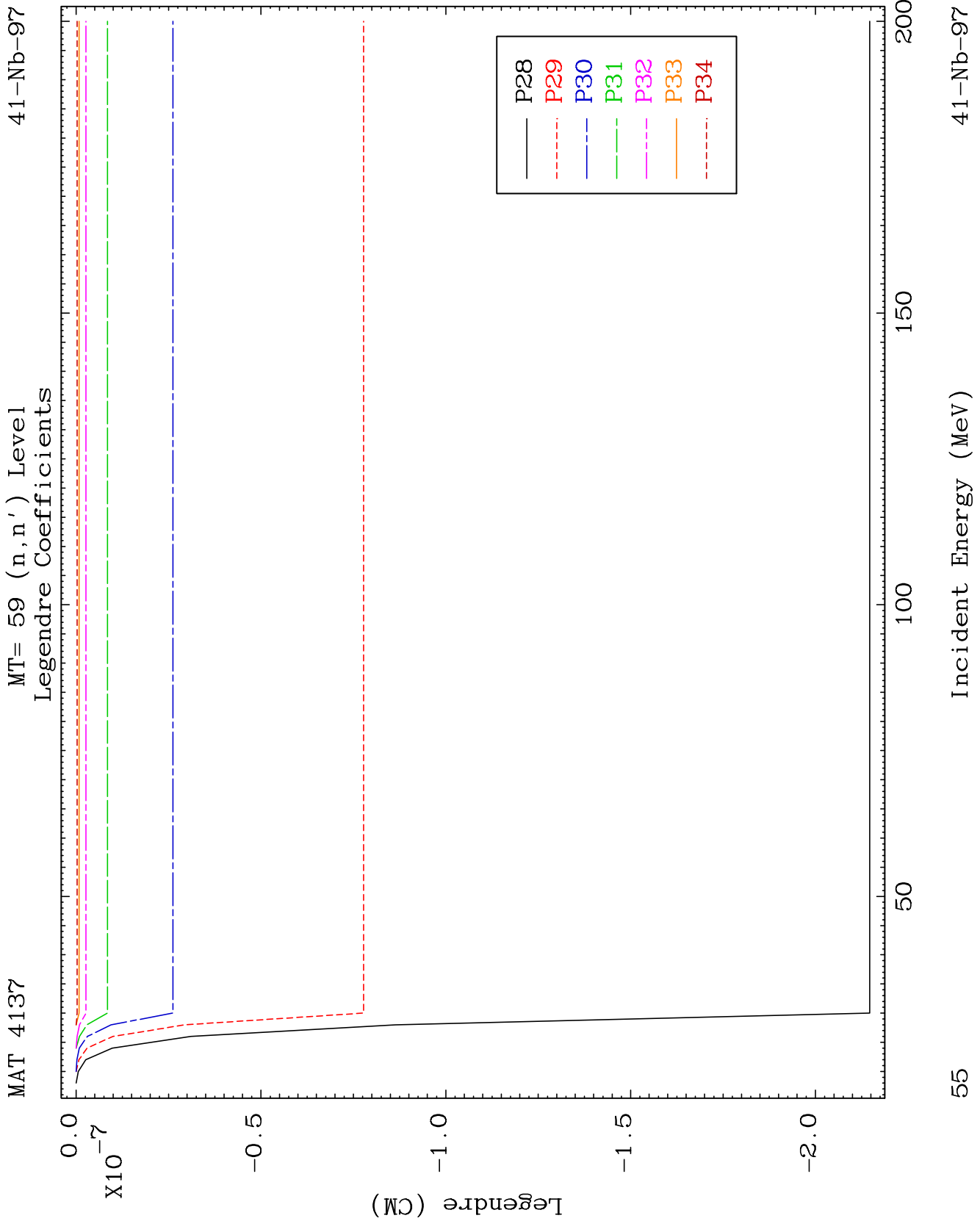
MT= 59 (n,n') Level
Legendre Coefficients

41-Nb-97



54

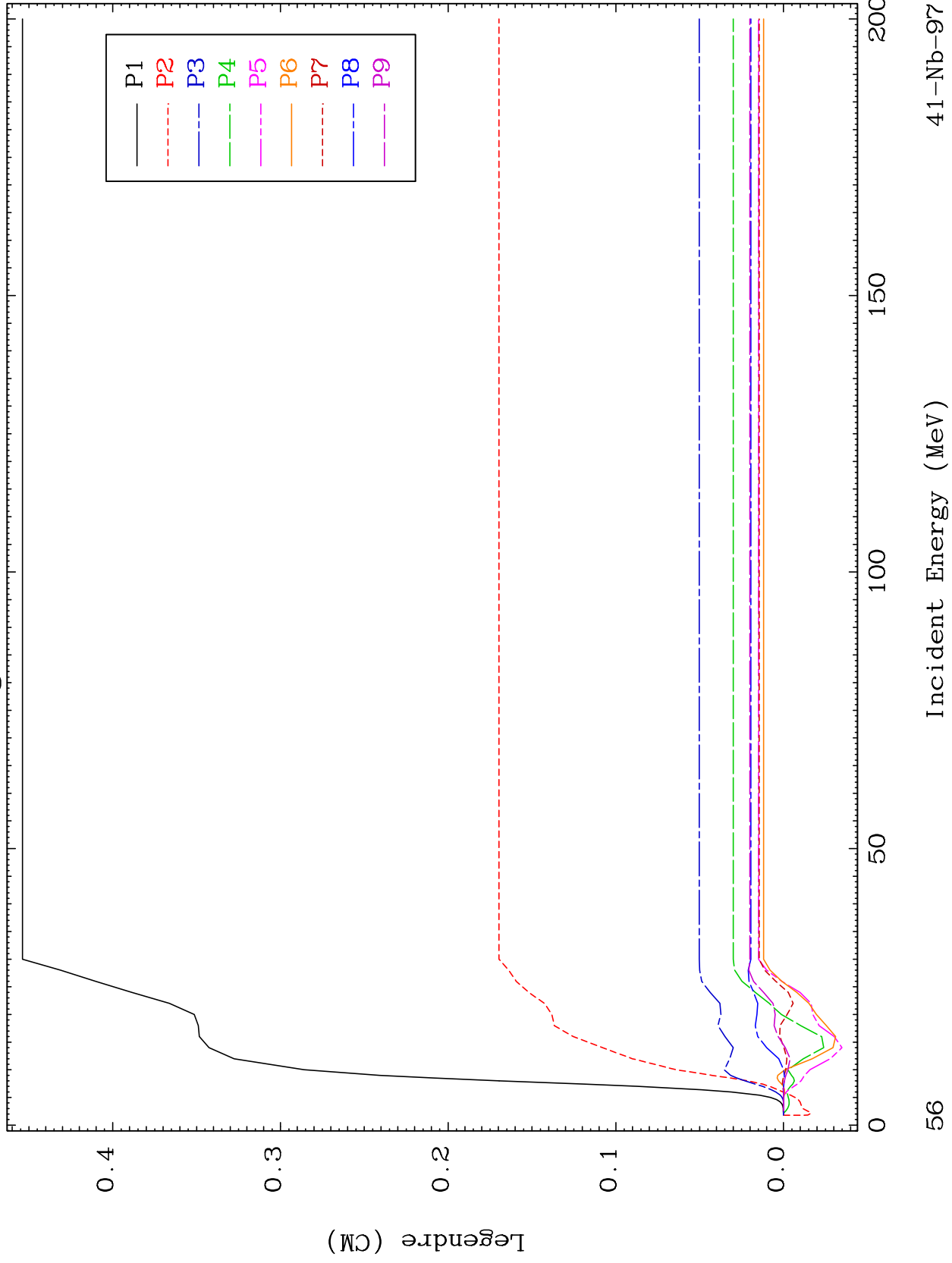
41-Nb-97



MAT 4137

MT= 60 (n,n') Level
Legendre Coefficients

41-Nb-97



41-Nb-97

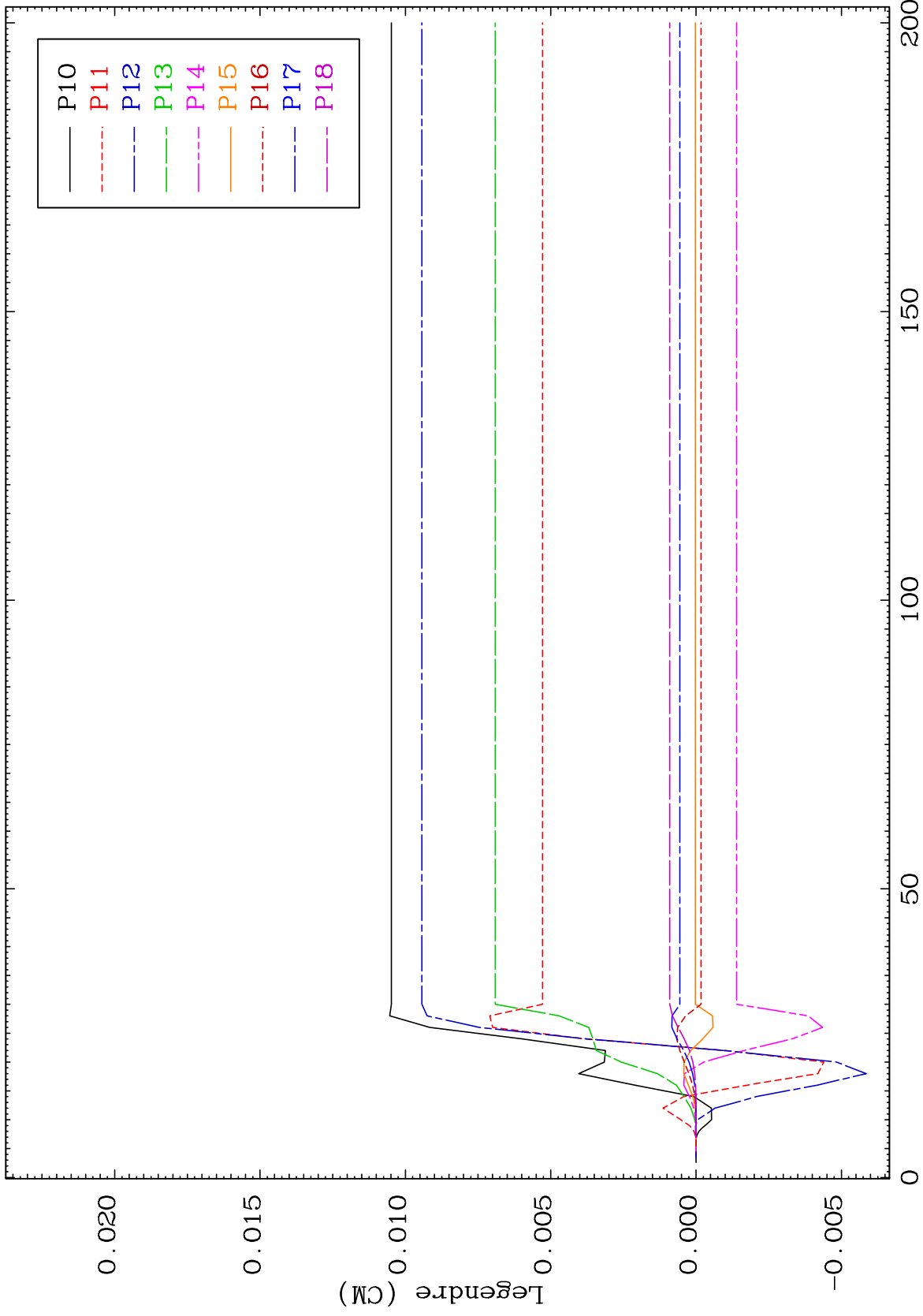
Incident Energy (MeV)

56

MAT 4137

MT= 60 (n,n') Level
Legendre Coefficients

41-Nb-97



57

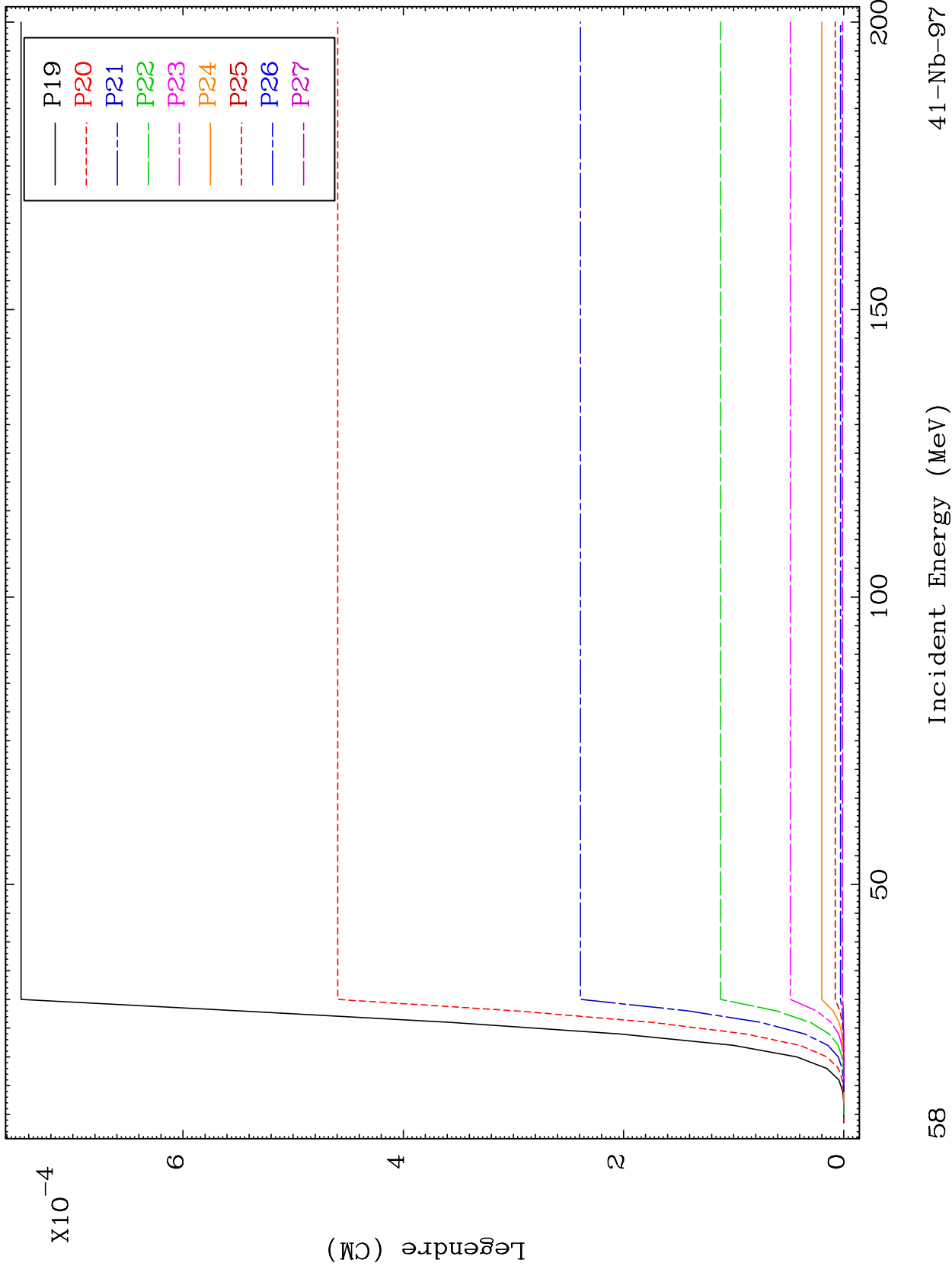
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 60 (n,n') Level
Legendre Coefficients

41-Nb-97



58

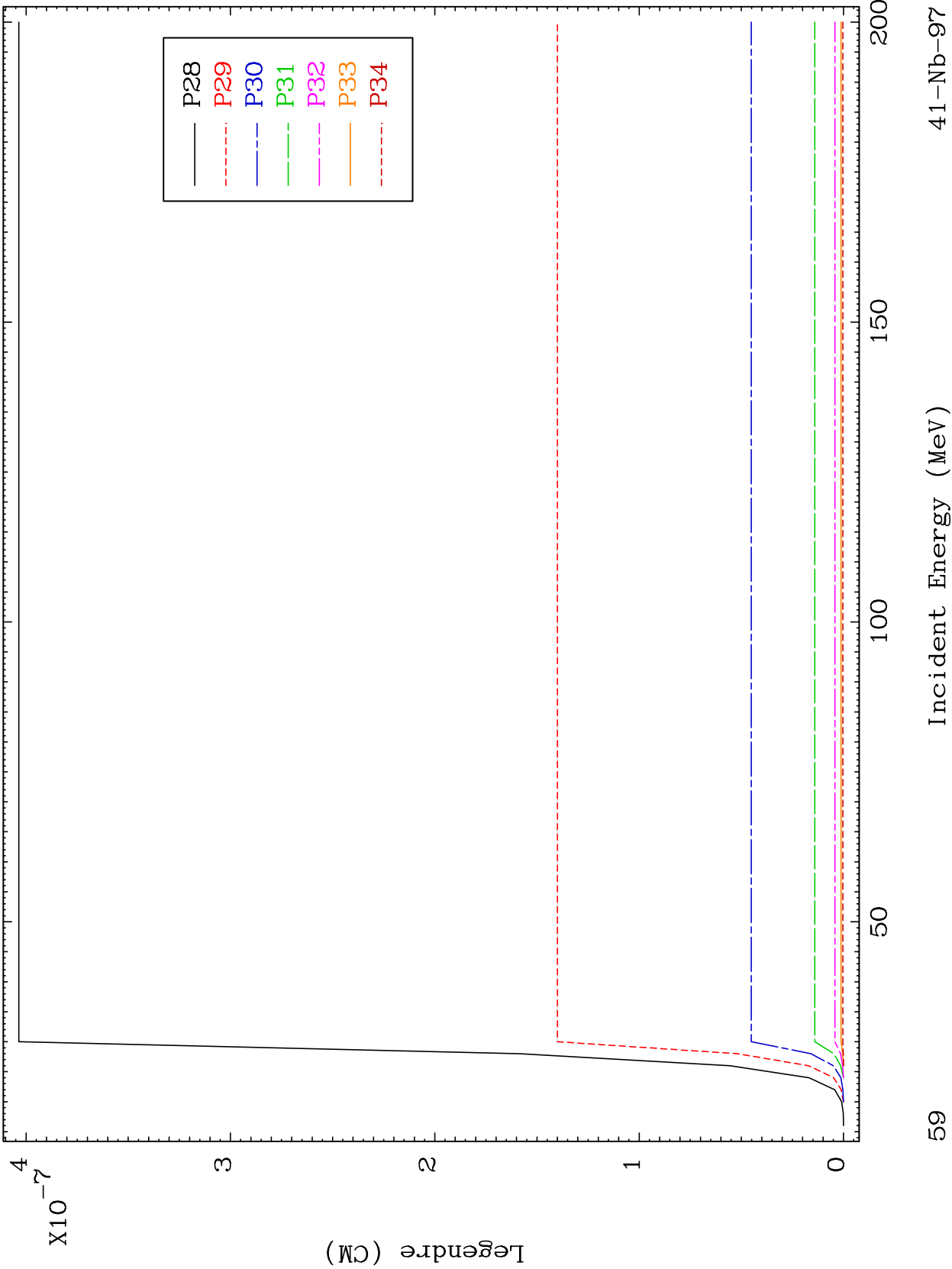
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 60 (n,n') Level
Legendre Coefficients

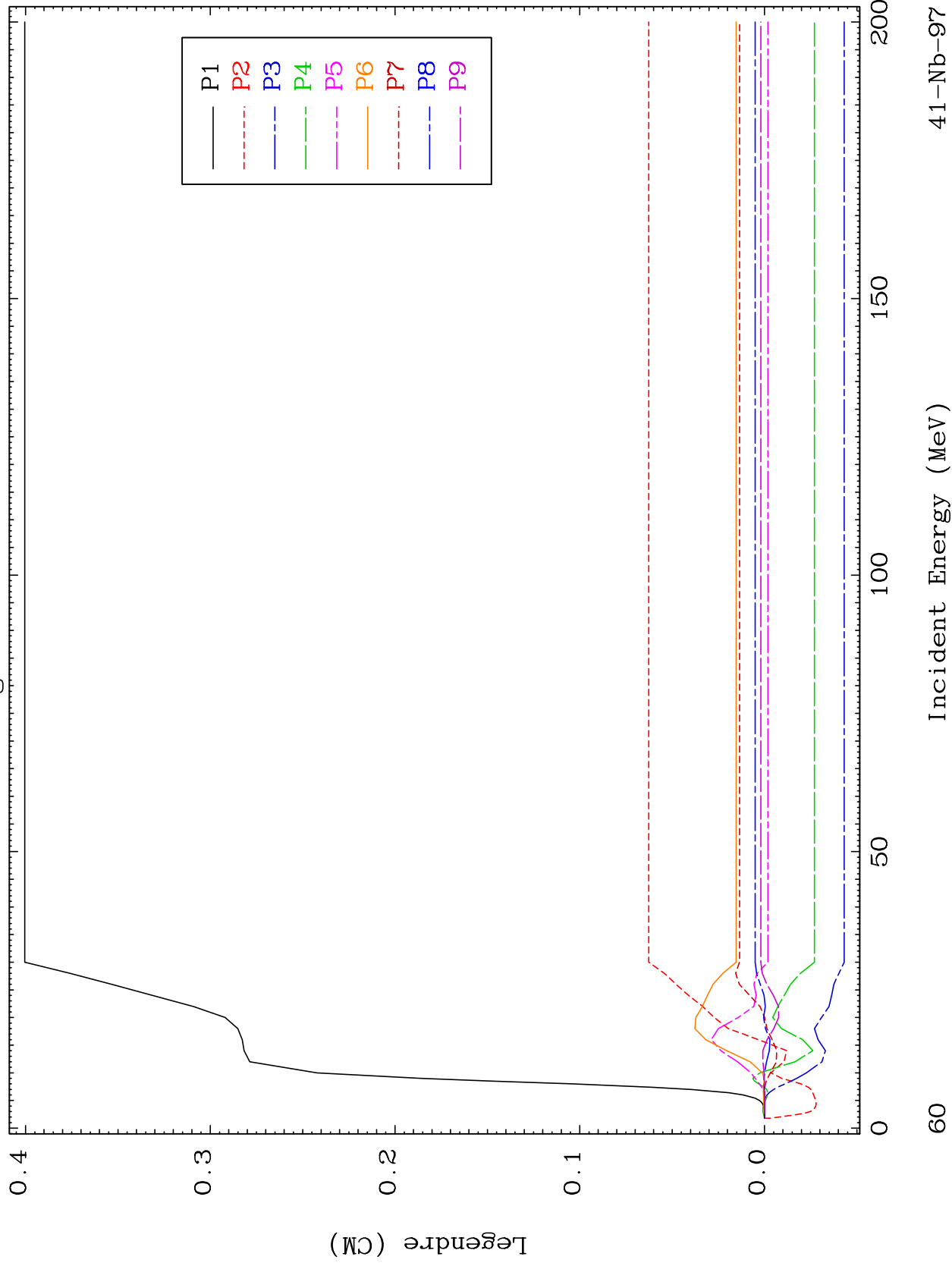
41-Nb-97



MAT 4137

MT= 61 (n,n') Level
Legendre Coefficients

41-Nb-97



41-Nb-97

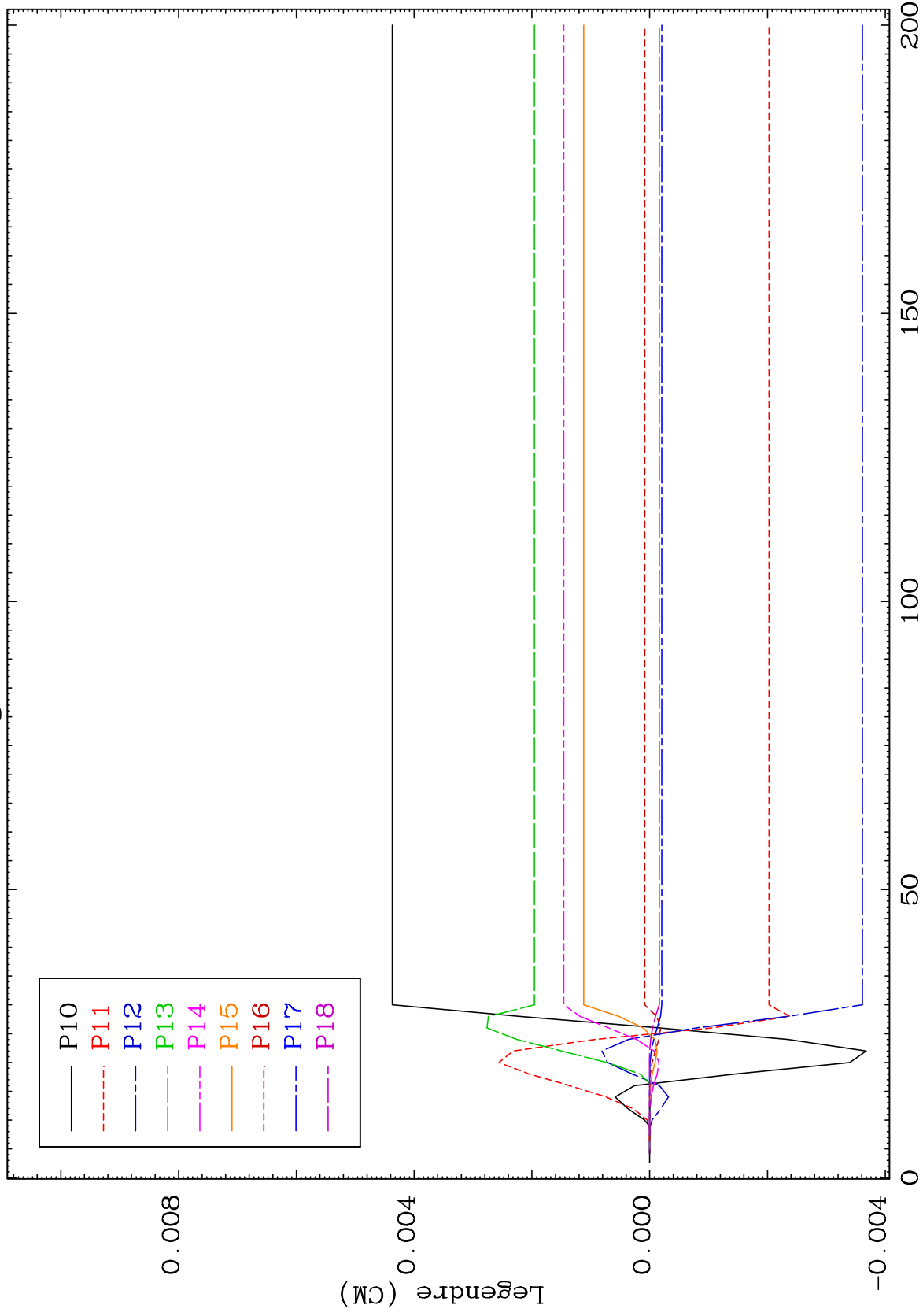
Incident Energy (MeV)

60

MAT 4137

MT= 61 (n,n') Level
Legendre Coefficients

41-Nb-97



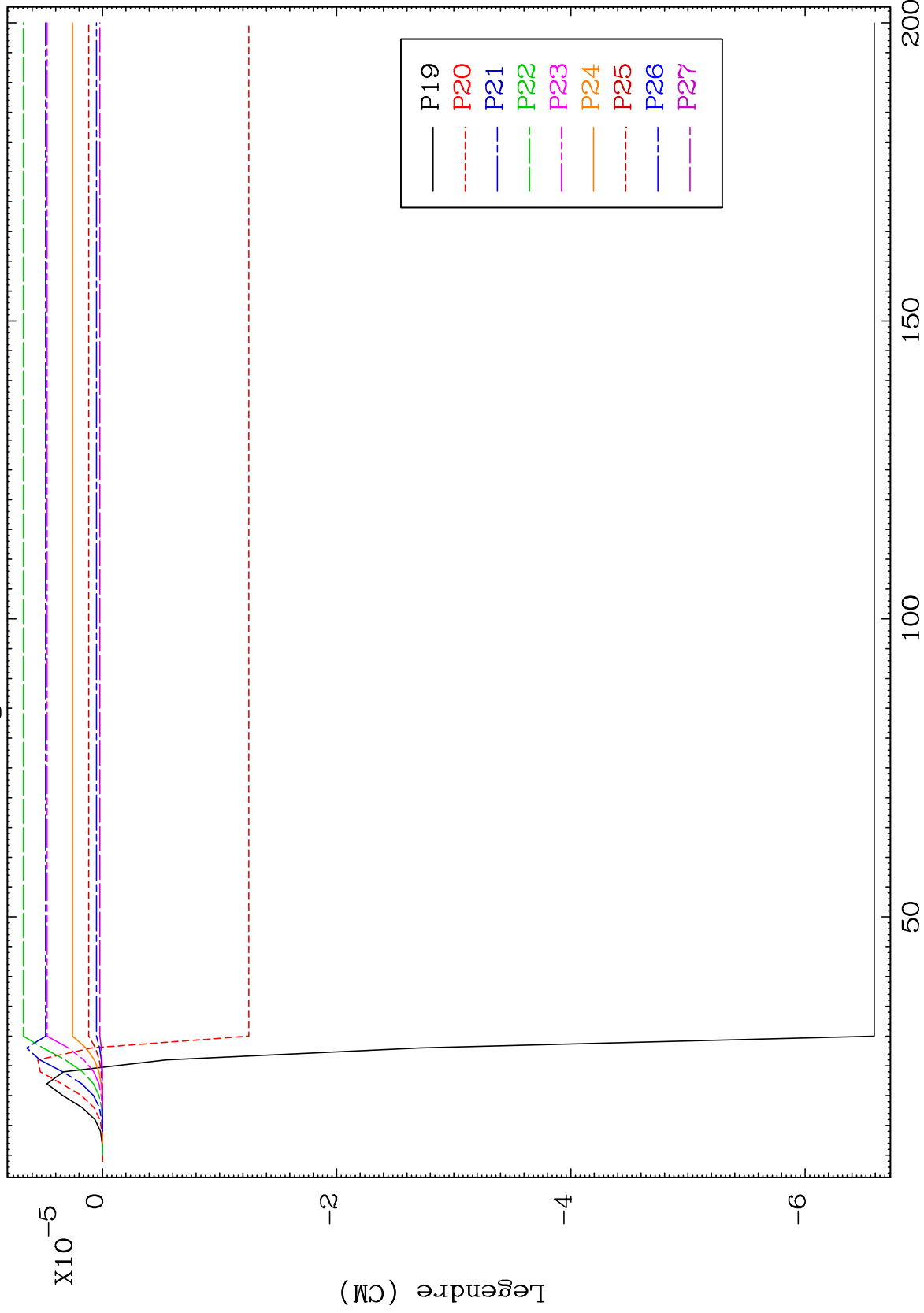
61

41-Nb-97

MAT 4137

MT= 61 (n,n') Level
Legendre Coefficients

41-Nb-97



62

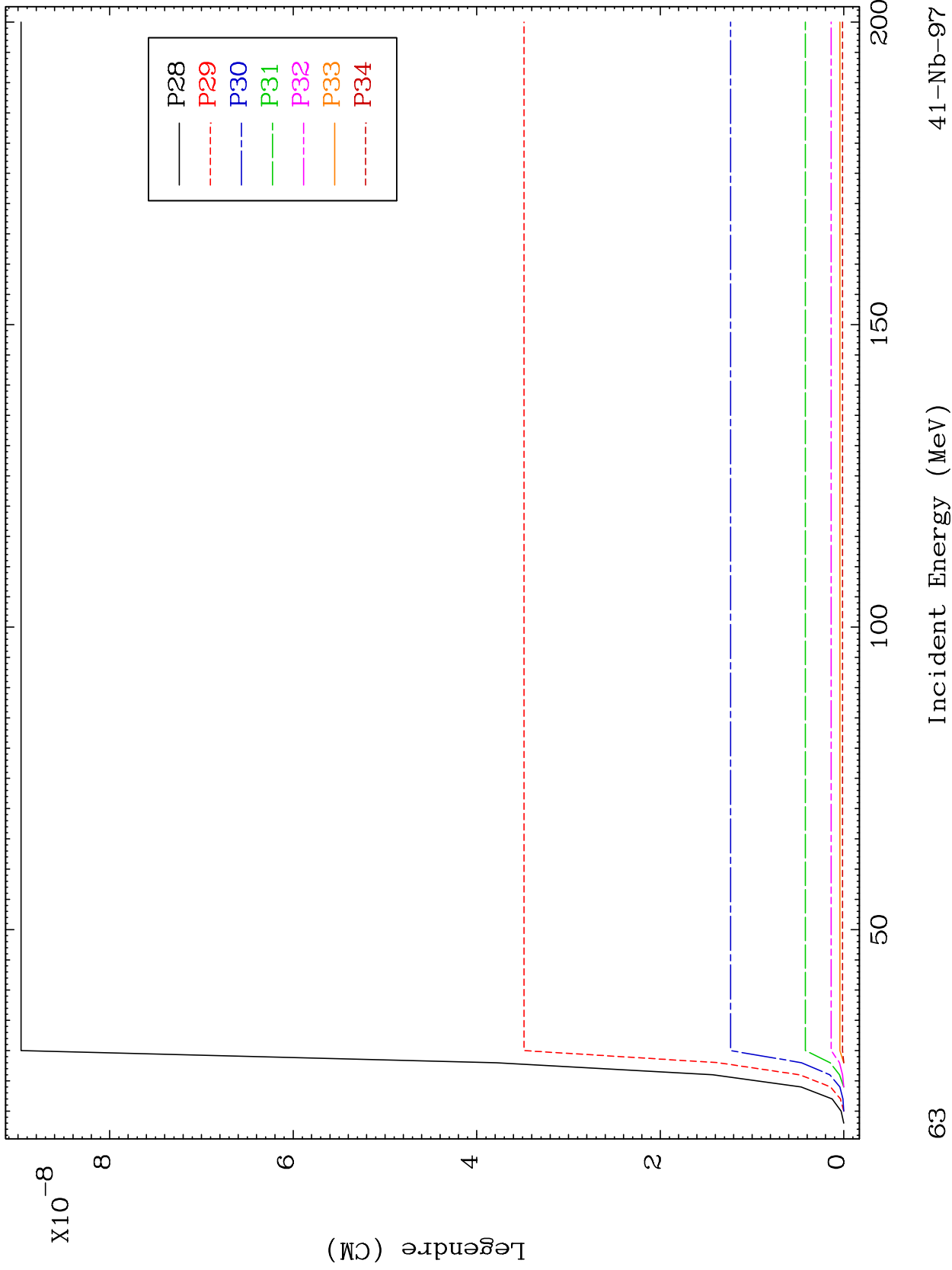
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 61 (n,n') Level
Legendre Coefficients

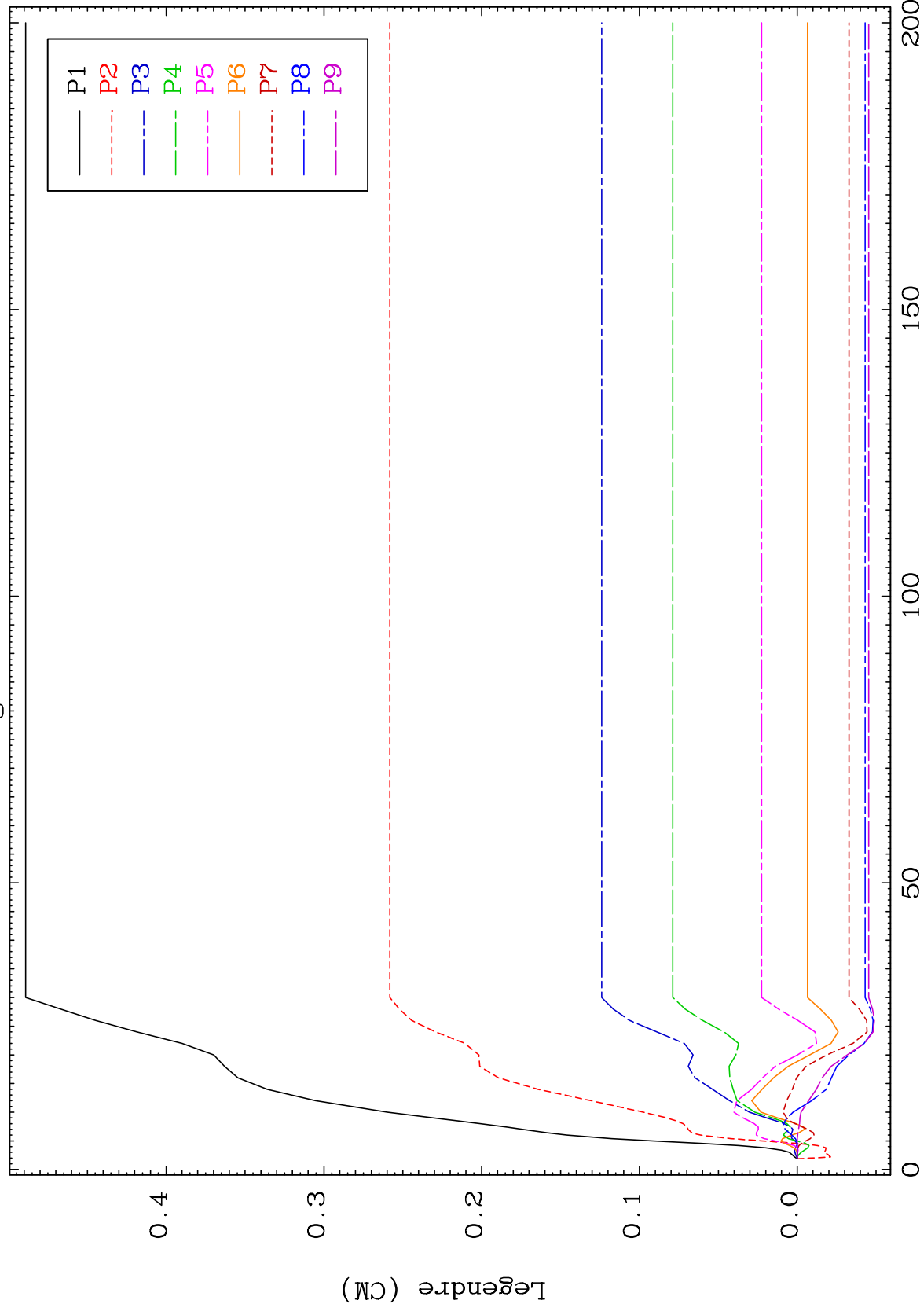
41-Nb-97



MAT 4137

MT= 62 (n,n') Level
Legendre Coefficients

41-Nb-97



41-Nb-97

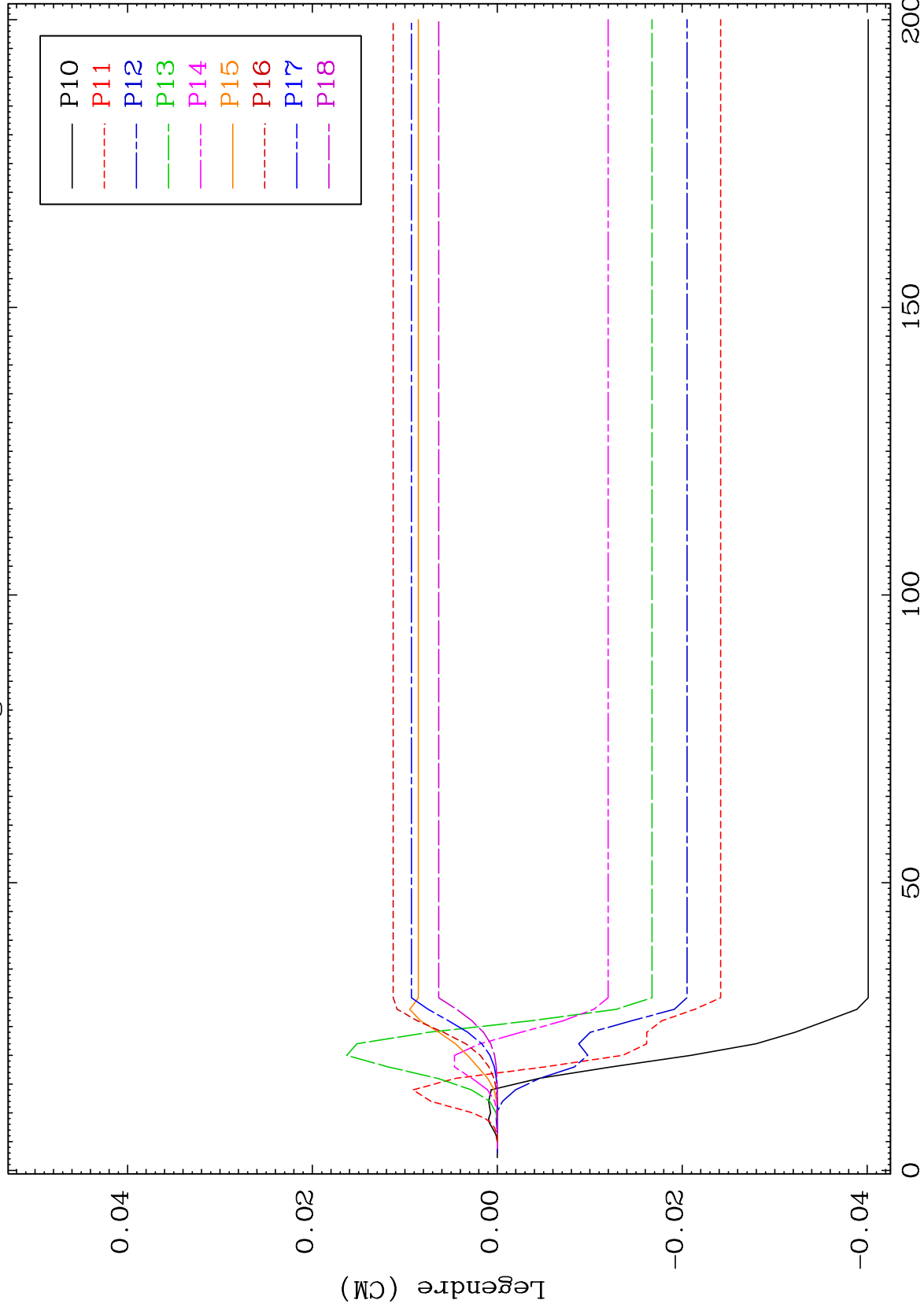
Incident Energy (MeV)

64

MAT 4137

MT= 62 (n,n') Level
Legendre Coefficients

41-Nb-97



65

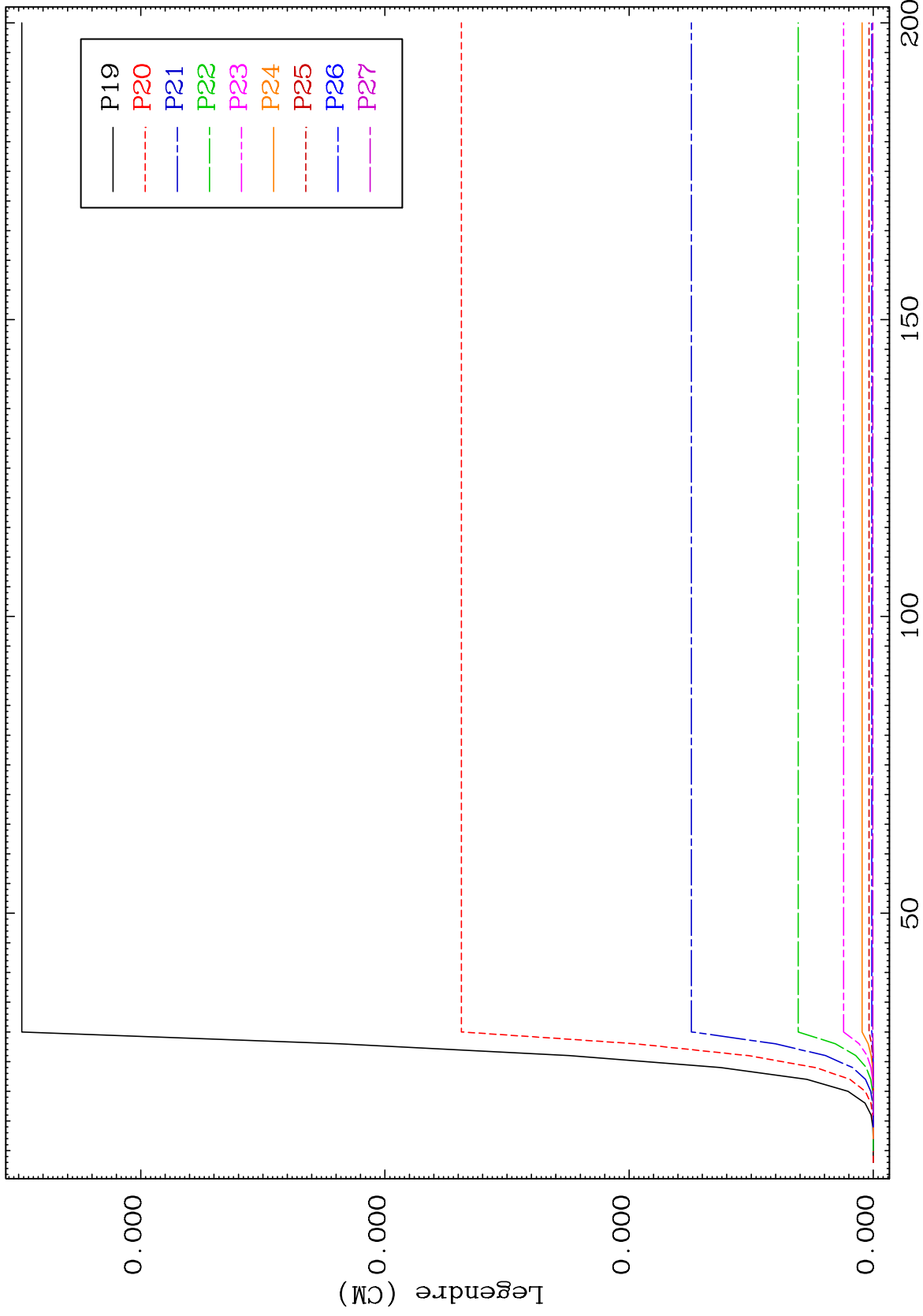
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 62 (n,n') Level
Legendre Coefficients

41-Nb-97



66

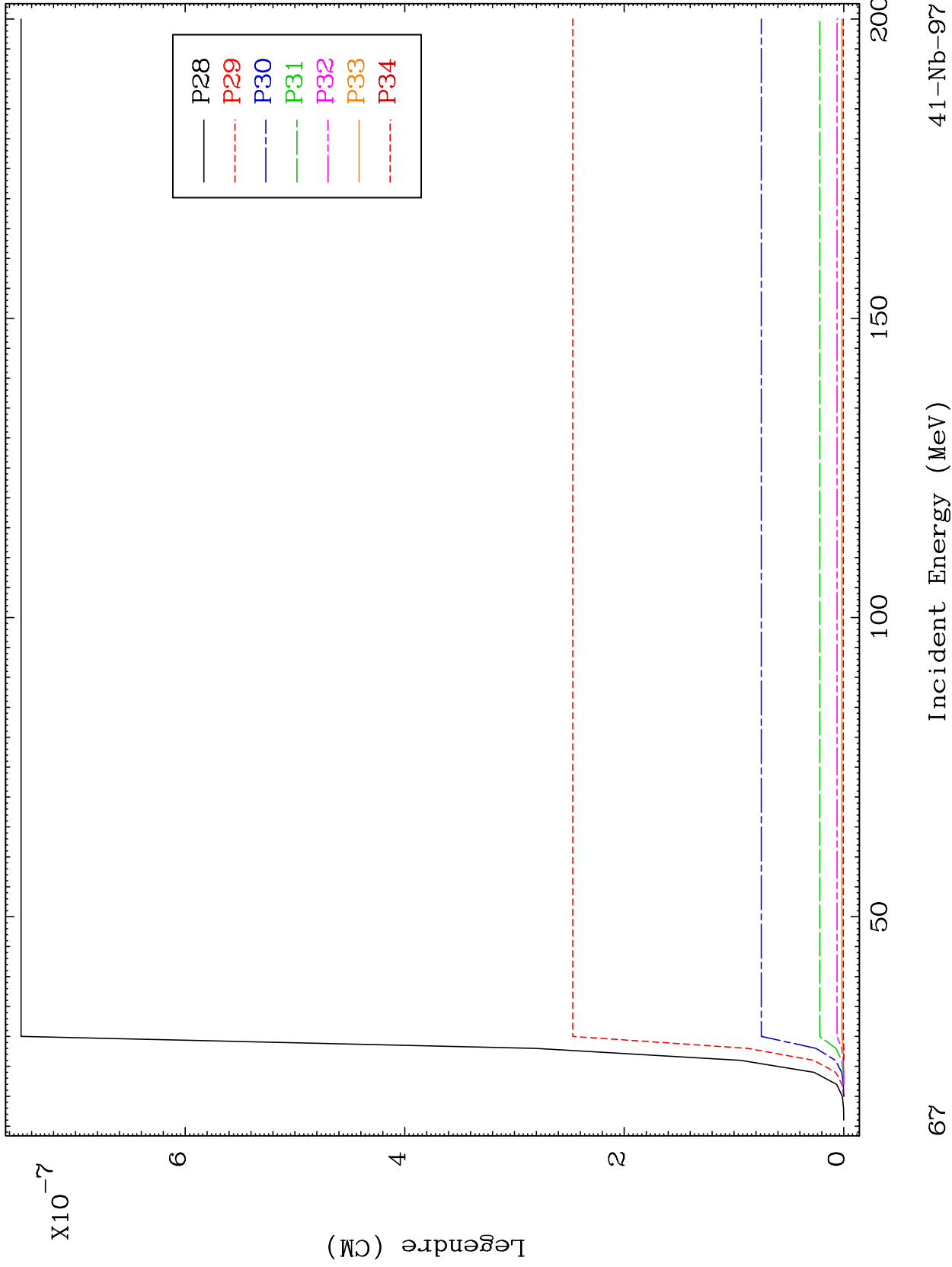
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 62 (n,n') Level
Legendre Coefficients

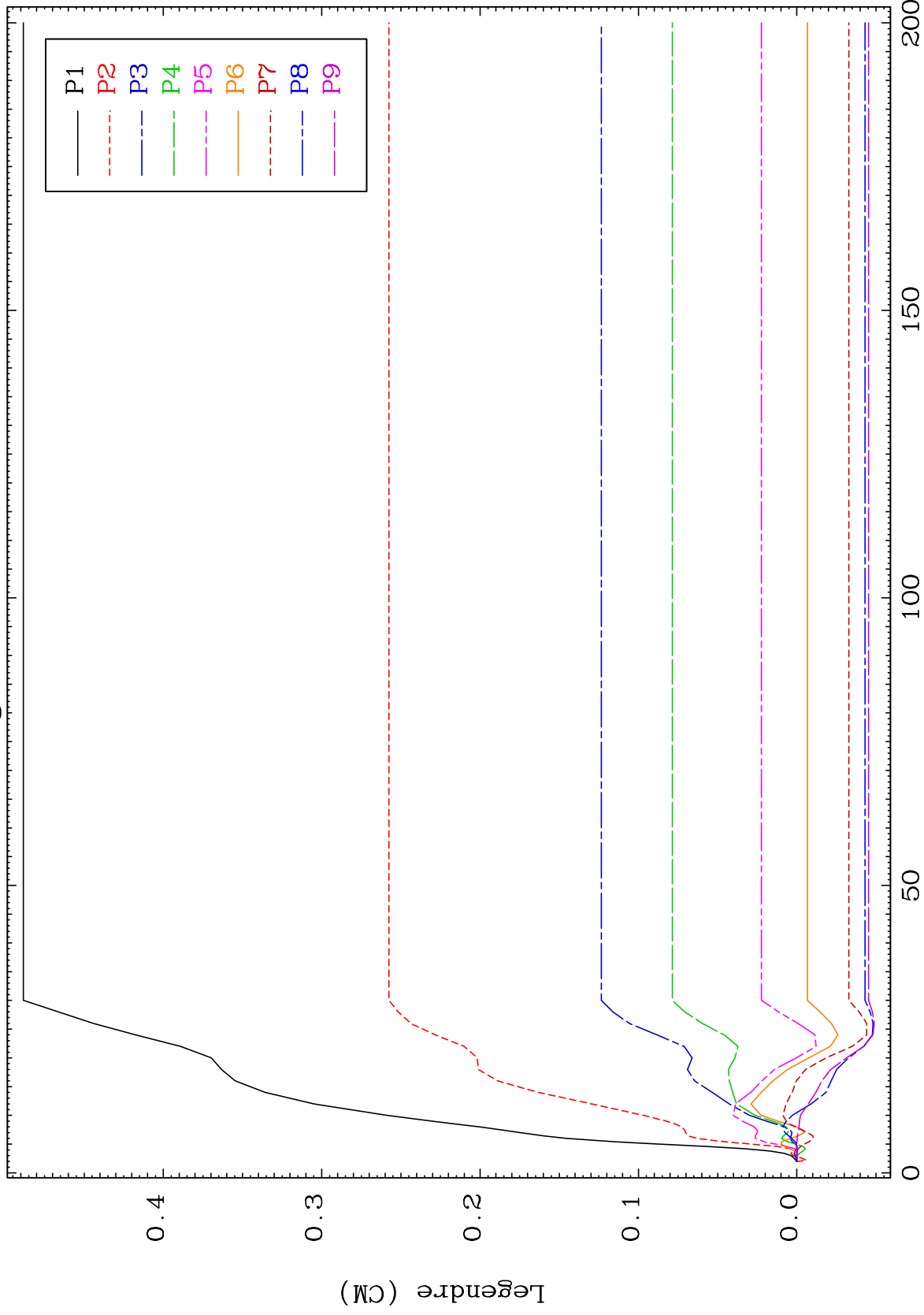
41-Nb-97



MAT 4137

MT= 63 (n,n') Level
Legendre Coefficients

41-Nb-97



68

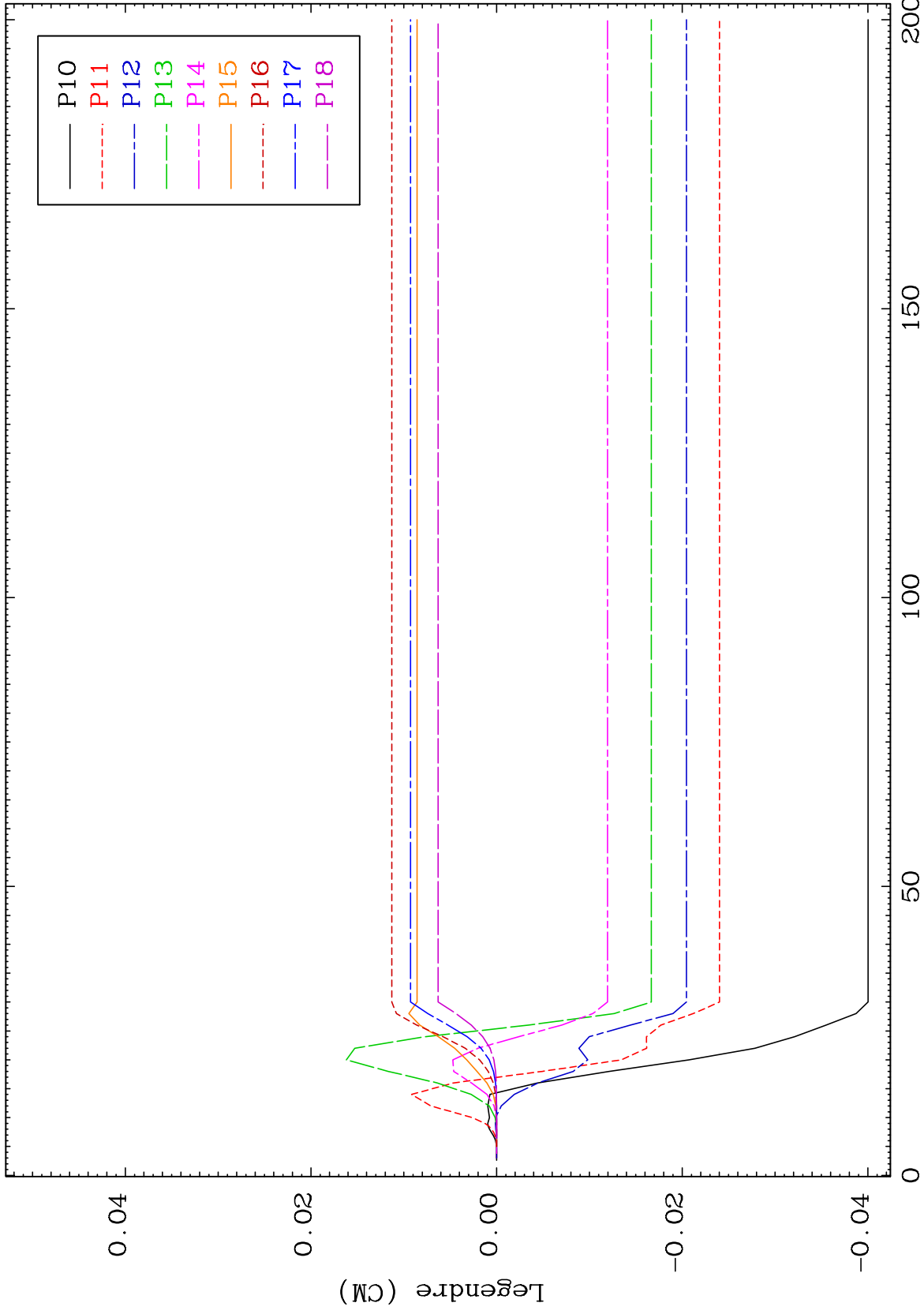
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 63 (n,n') Level
Legendre Coefficients

41-Nb-97



69

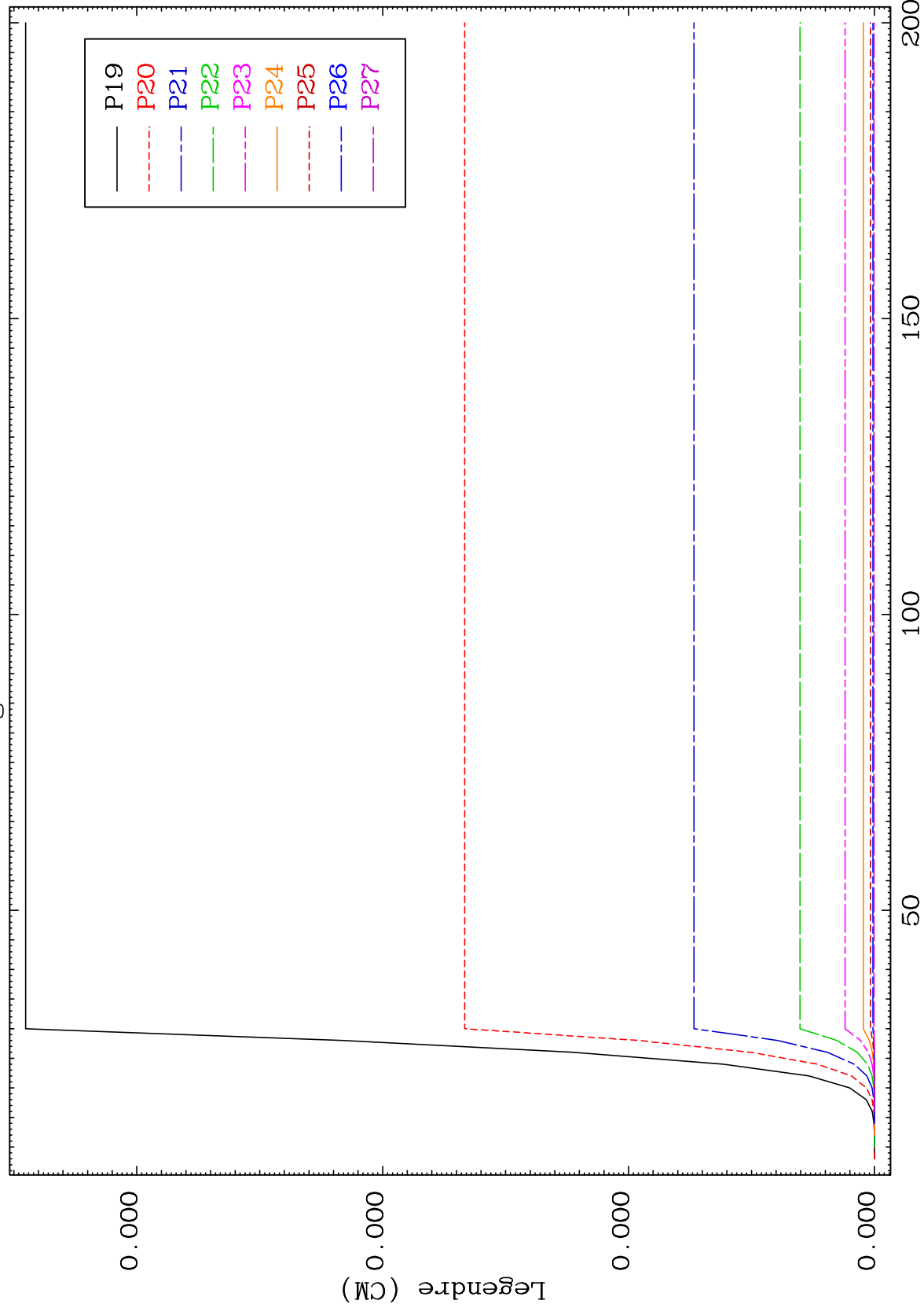
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 63 (n,n') Level
Legendre Coefficients

41-Nb-97



70

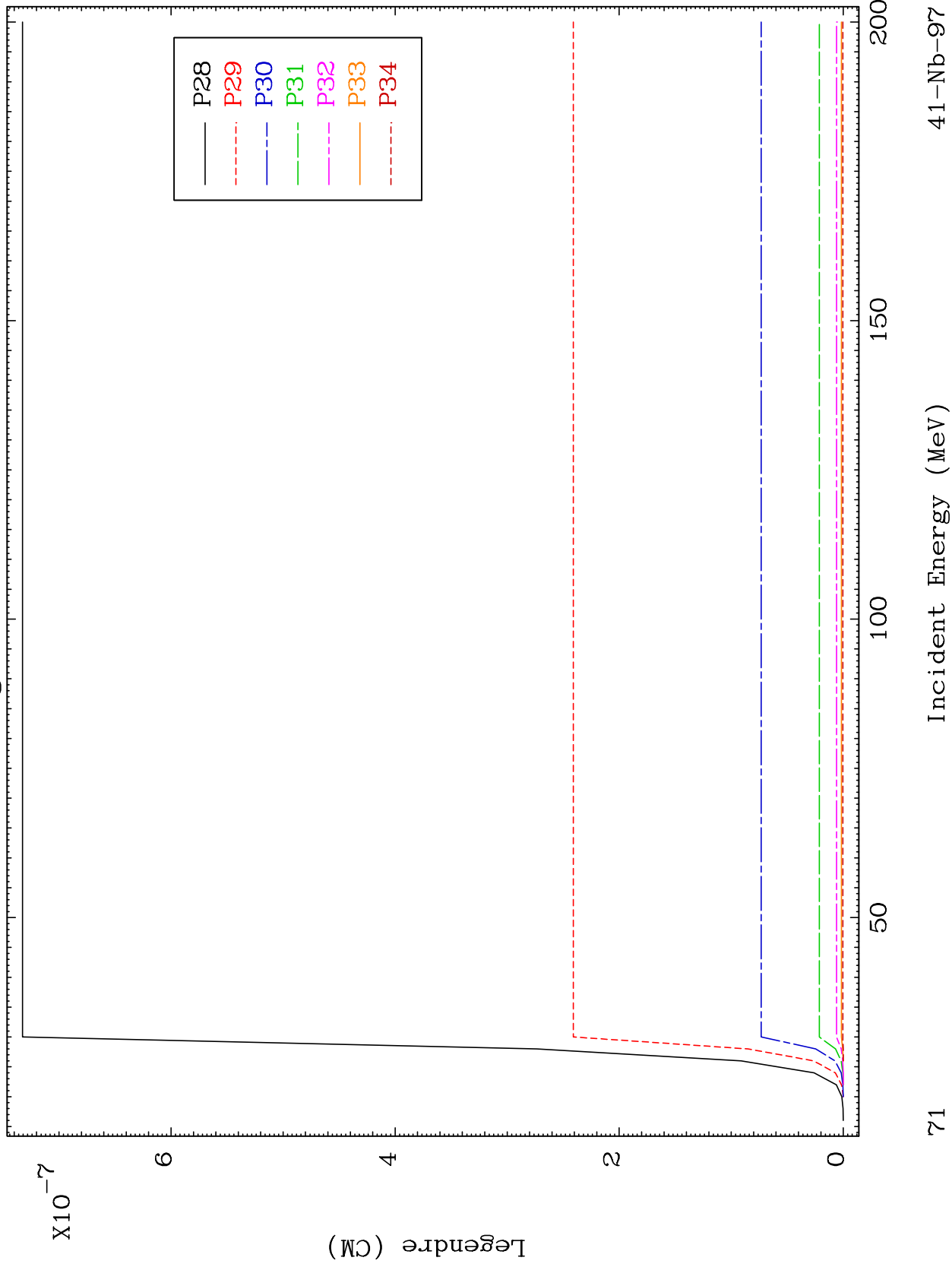
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 63 (n,n') Level
Legendre Coefficients

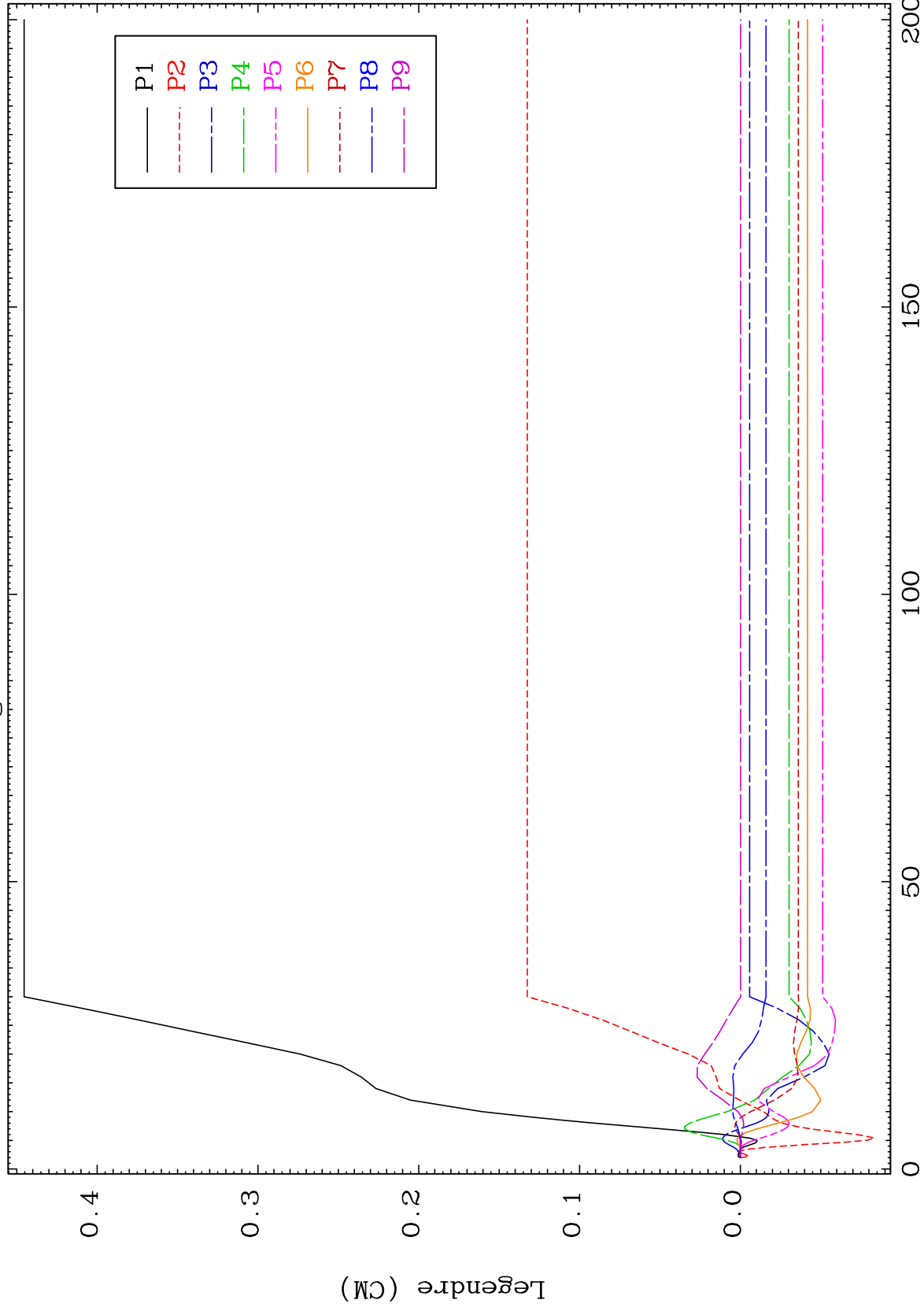
41-Nb-97



MAT 4137

MT= 64 (n,n') Level
Legendre Coefficients

41-Nb-97



72

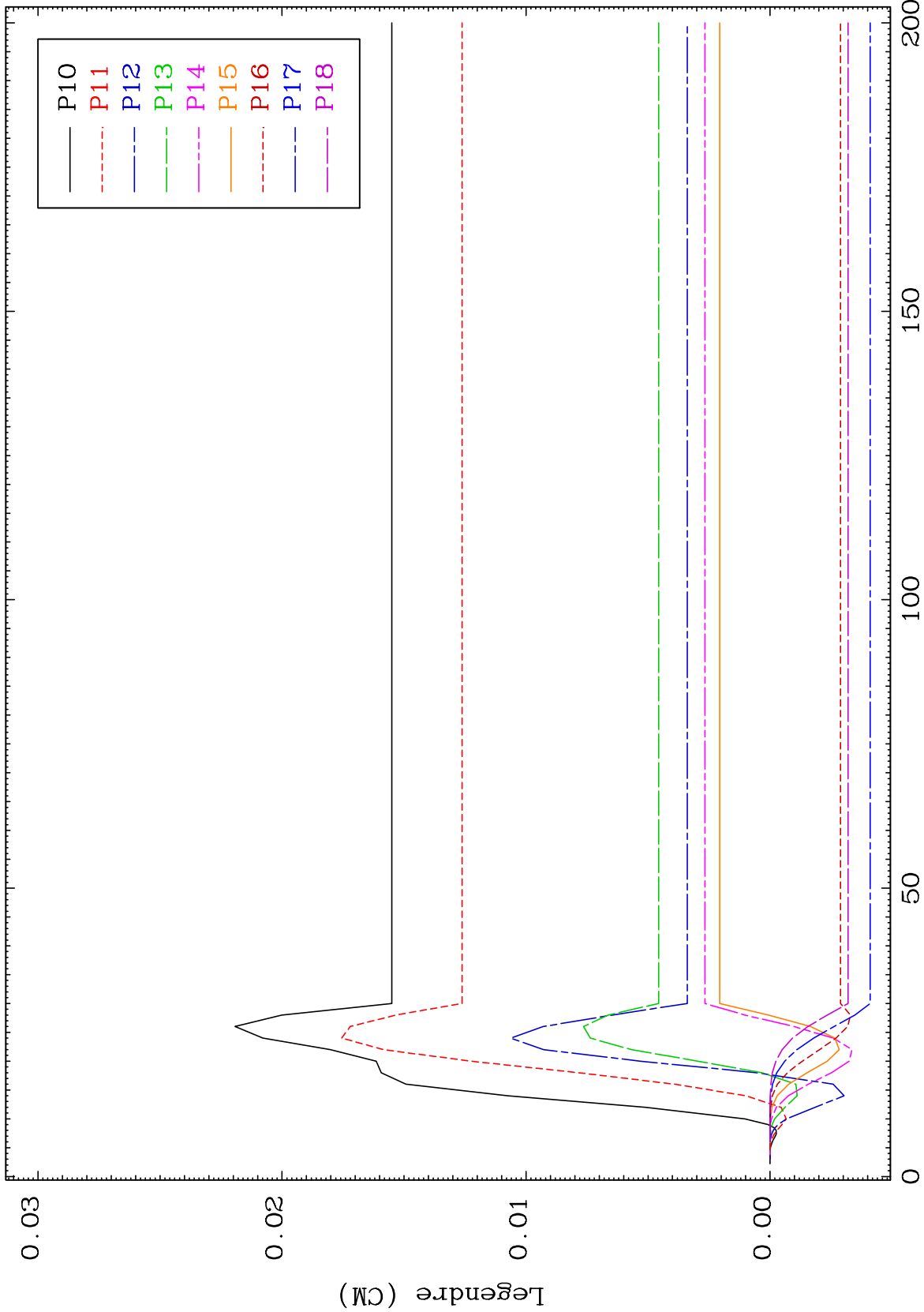
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 64 (n,n') Level
Legendre Coefficients

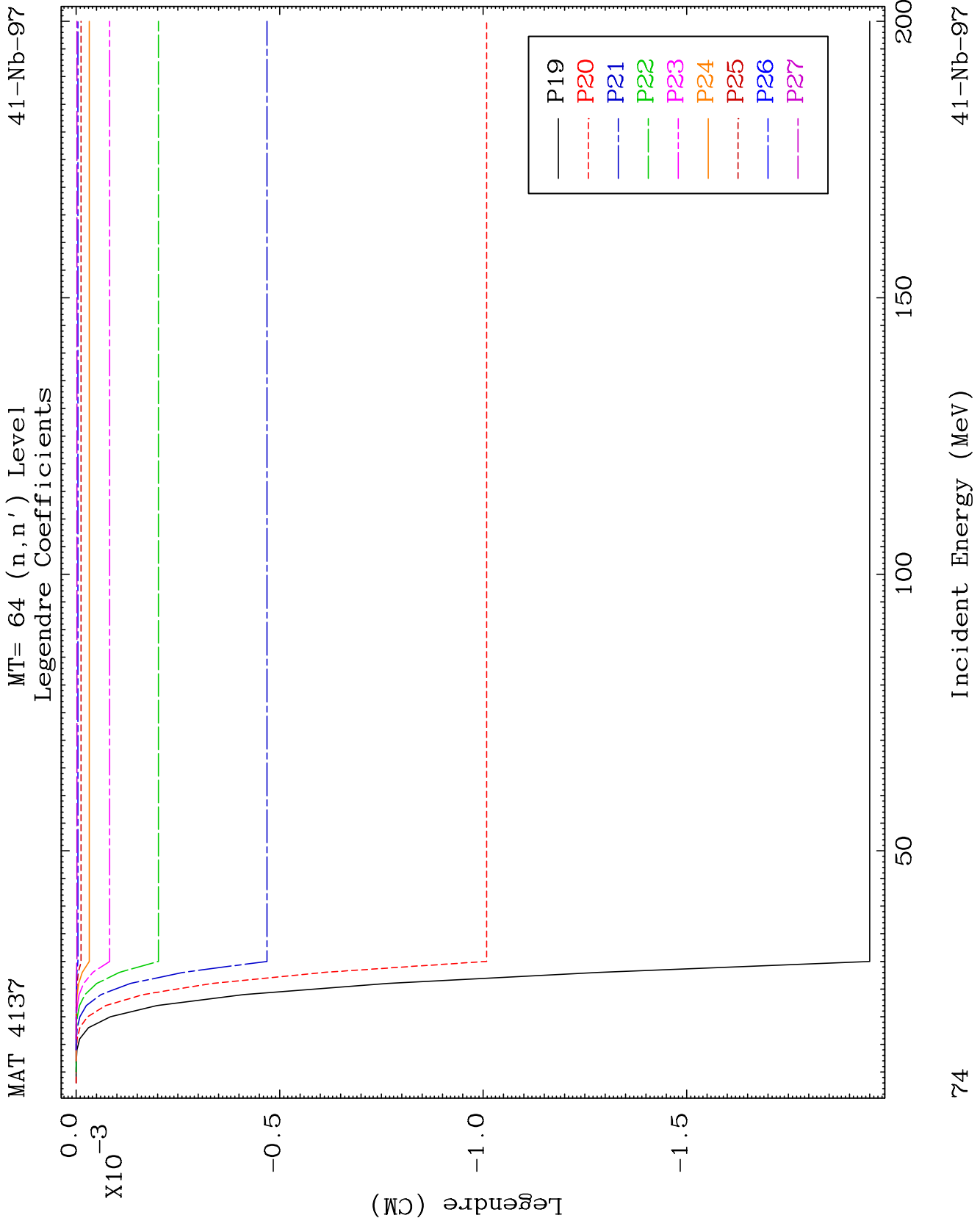
41-Nb-97

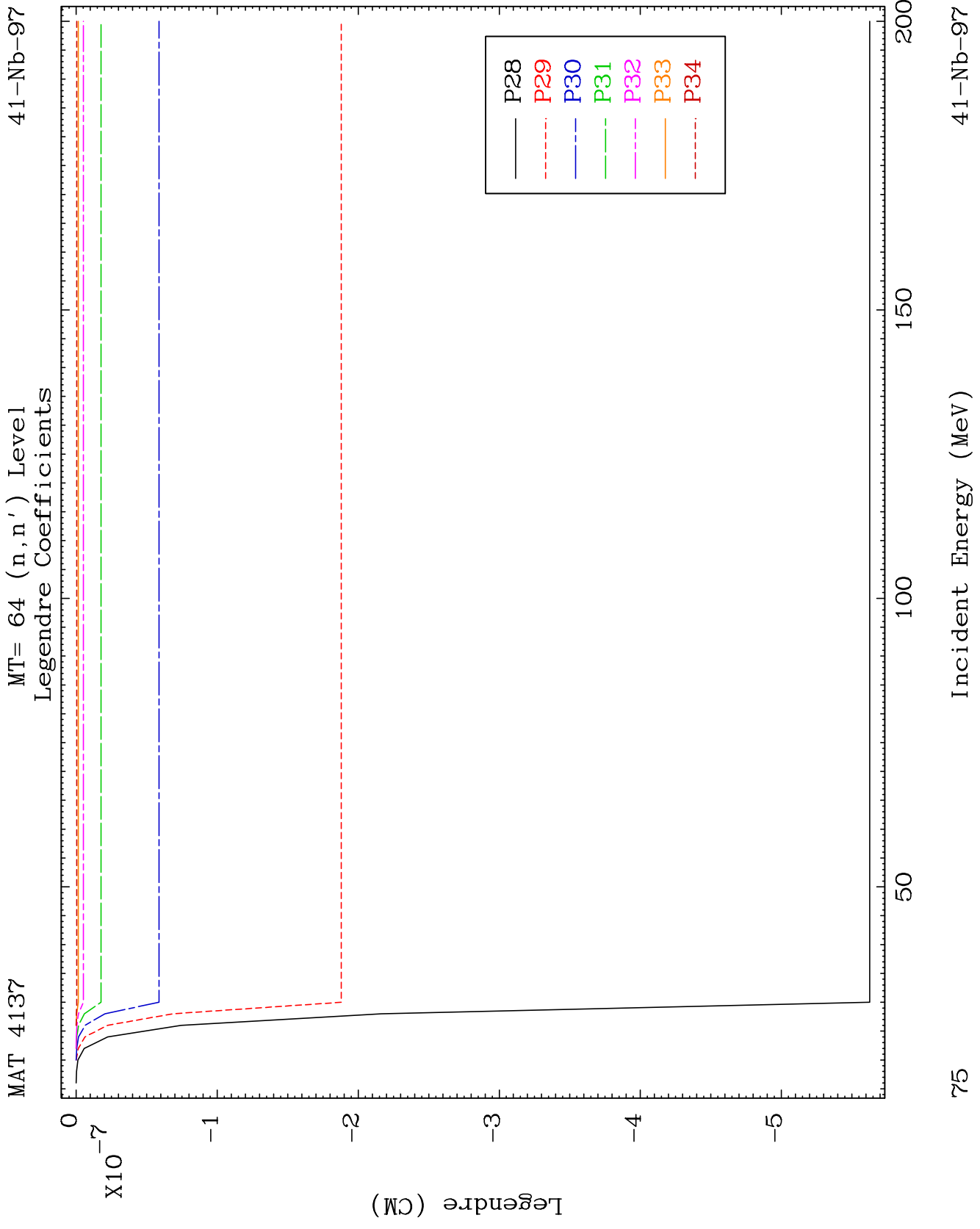


73

Incident Energy (MeV)

41-Nb-97

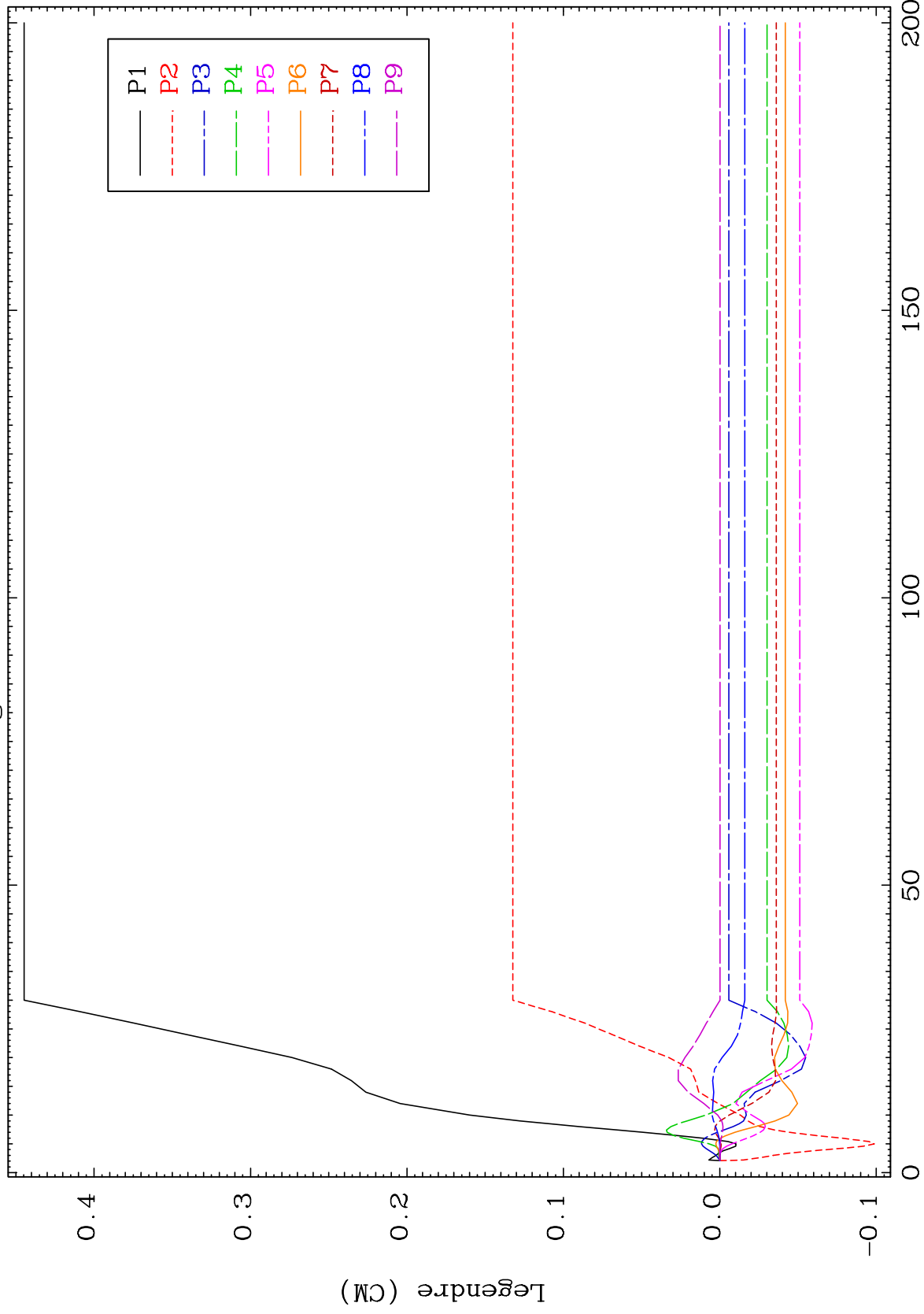




MAT 4137

MT= 65 (n,n') Level
Legendre Coefficients

41-Nb-97



76

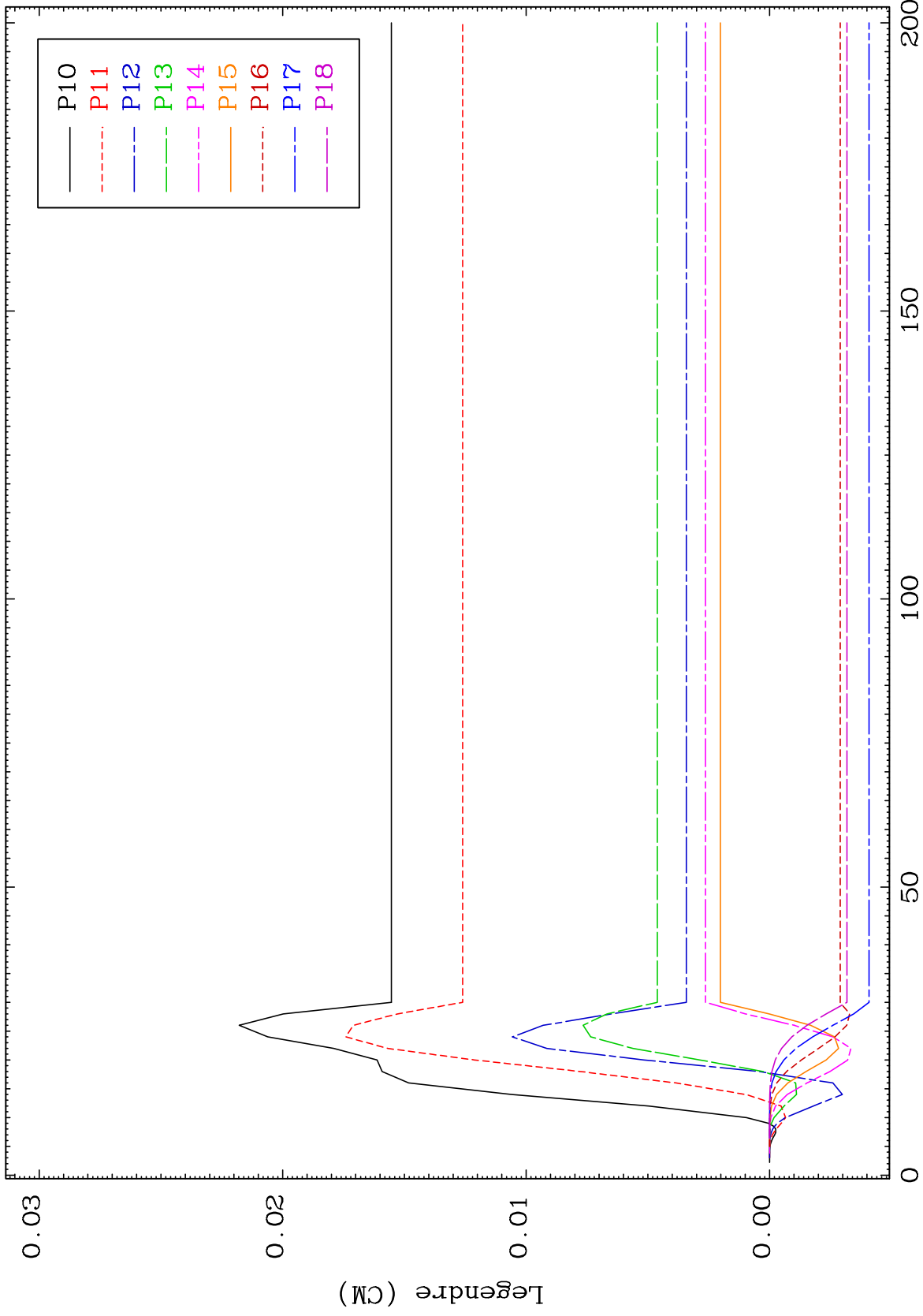
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 65 (n,n') Level
Legendre Coefficients

41-Nb-97



77

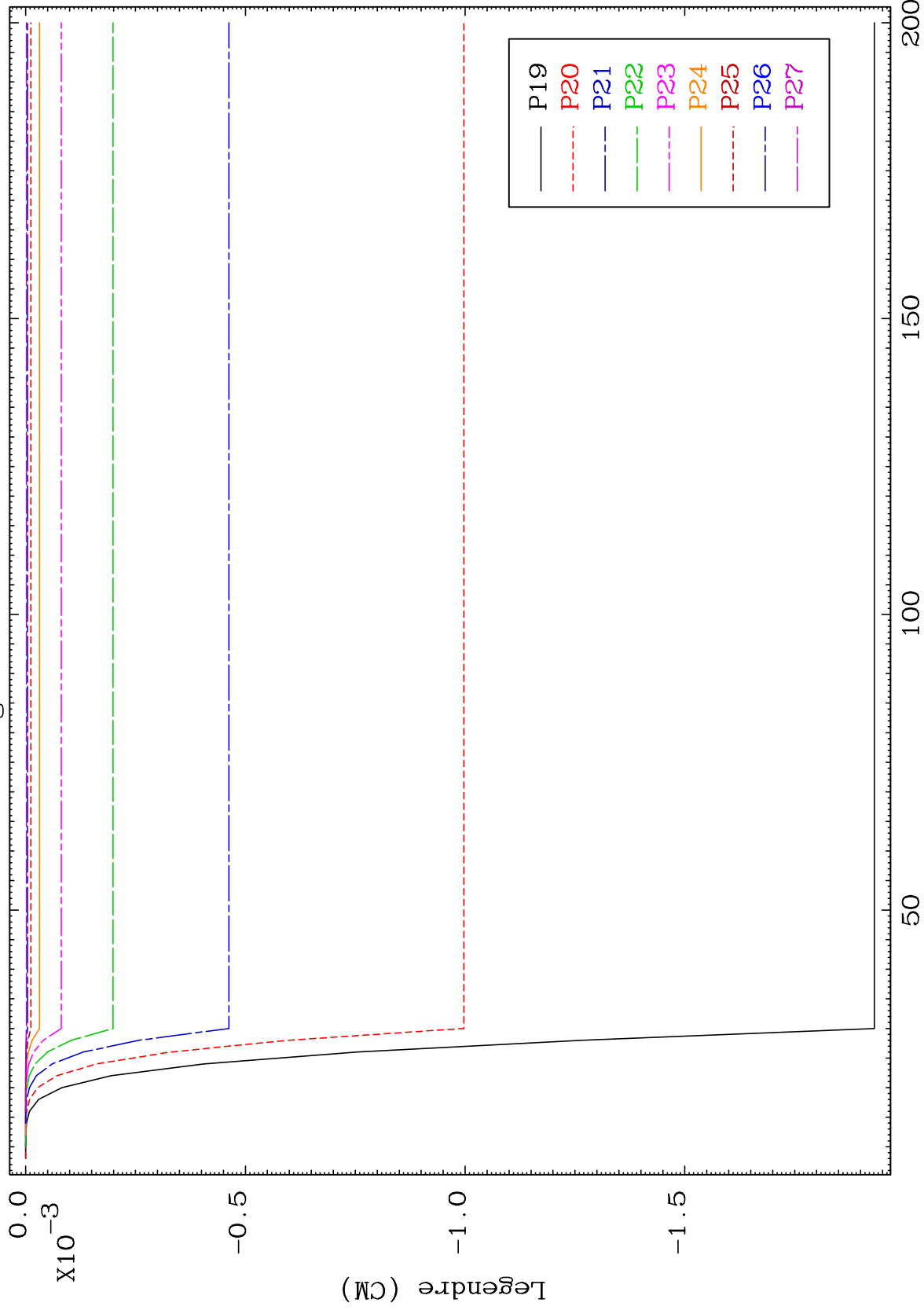
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 65 (n,n') Level
Legendre Coefficients

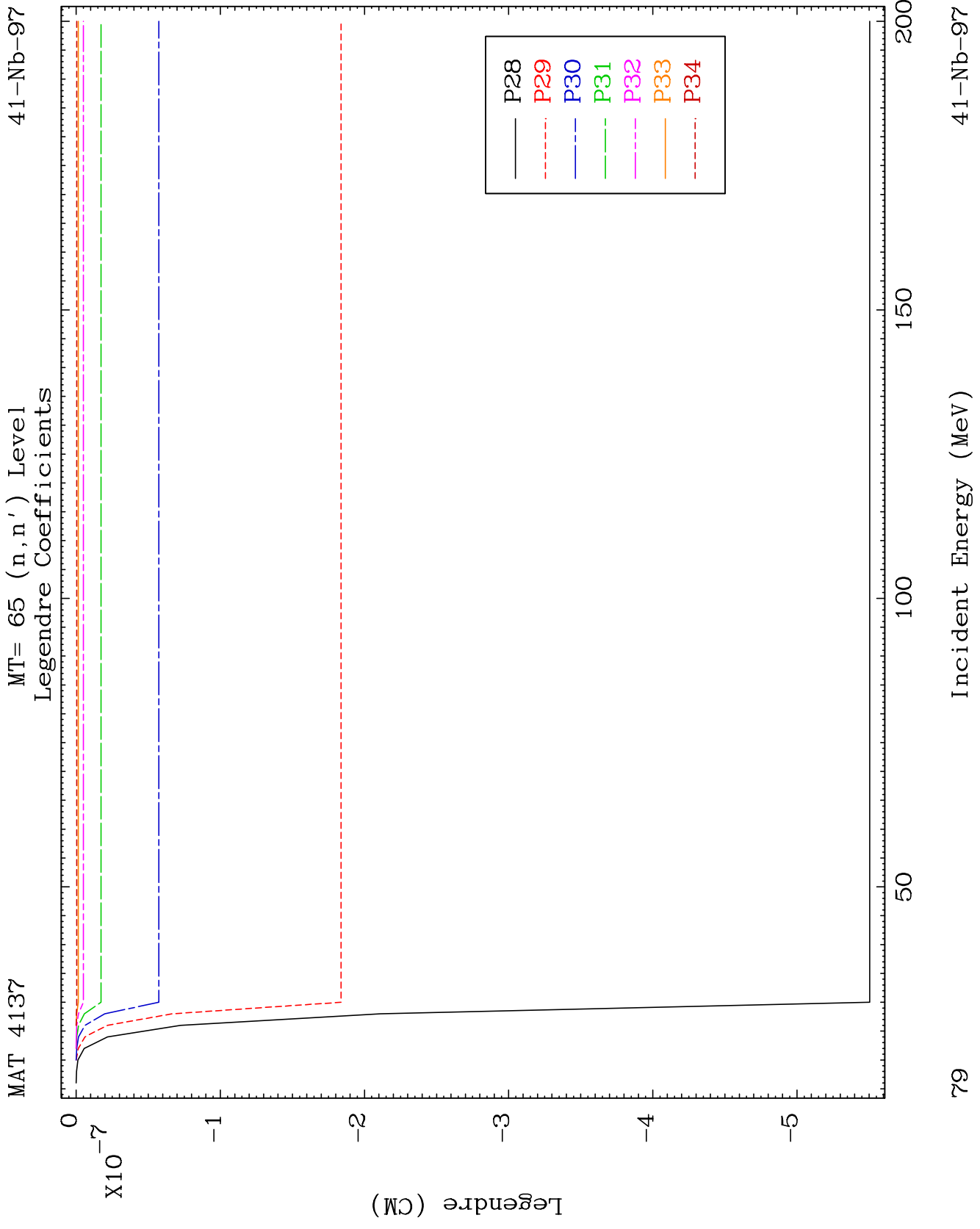
41-Nb-97



78

Incident Energy (MeV)

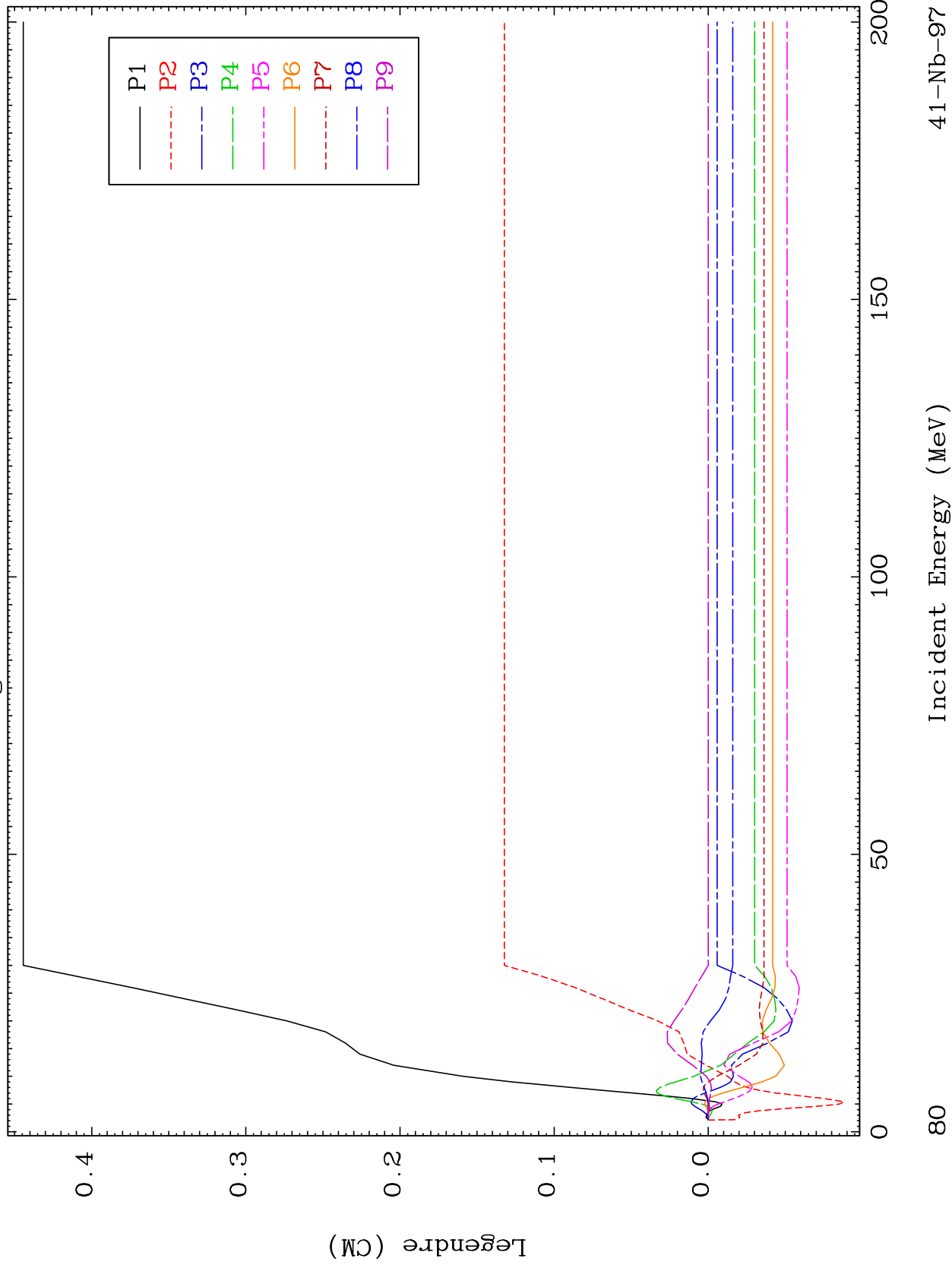
41-Nb-97



MAT 4137

MT= 66 (n,n') Level
Legendre Coefficients

41-Nb-97

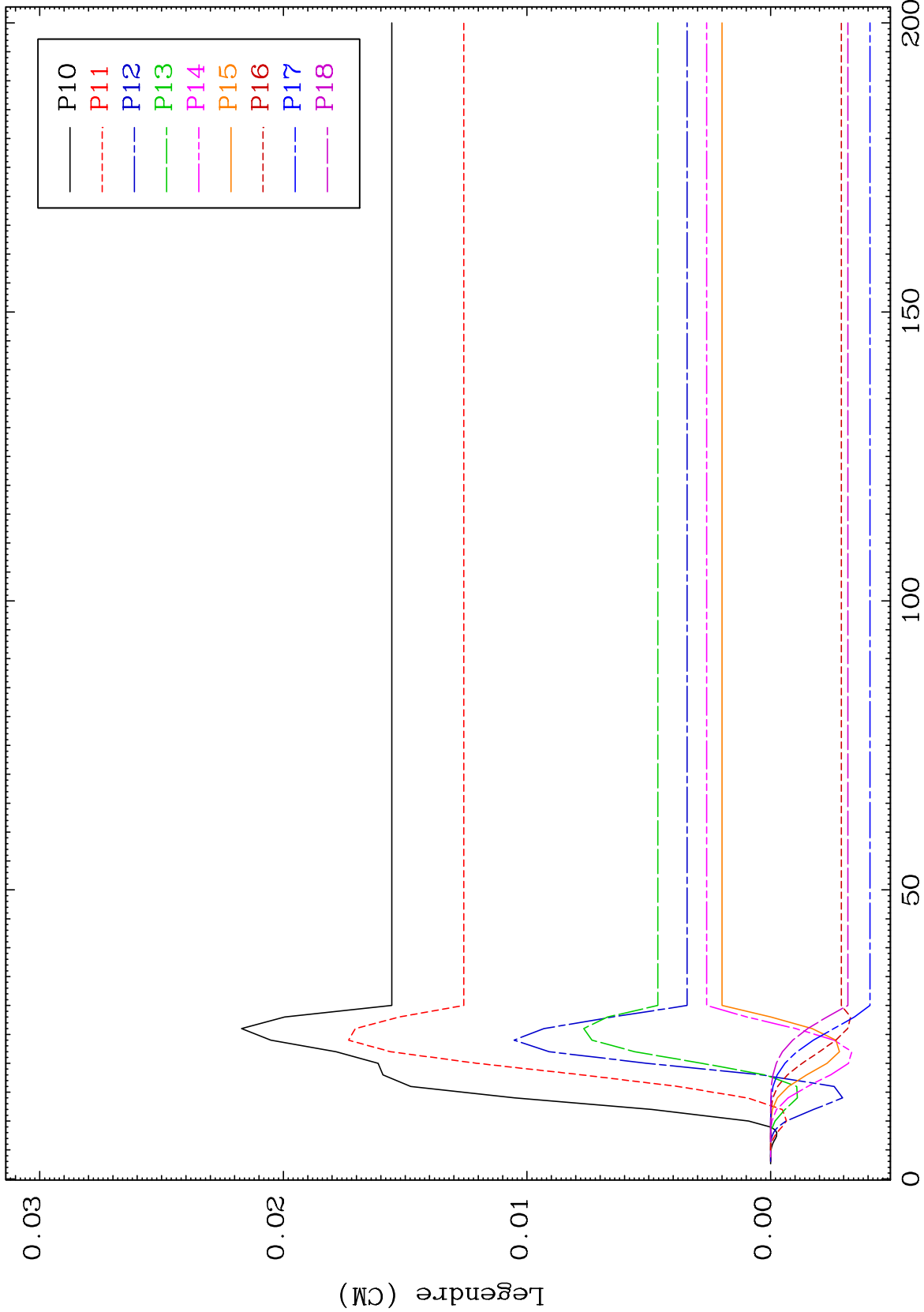


41-Nb-97

MAT 4137

MT= 66 (n,n') Level
Legendre Coefficients

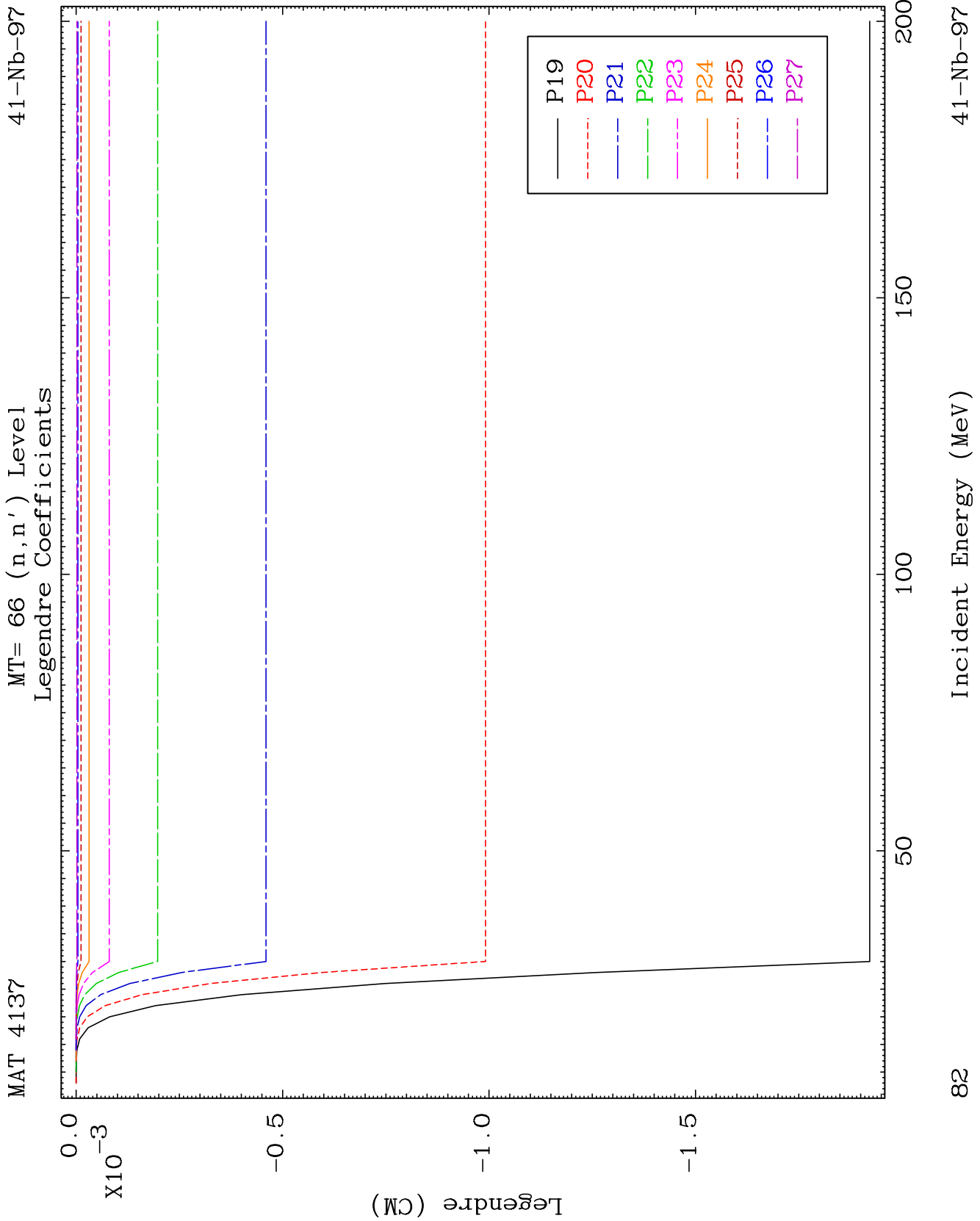
41-Nb-97



81

Incident Energy (MeV)

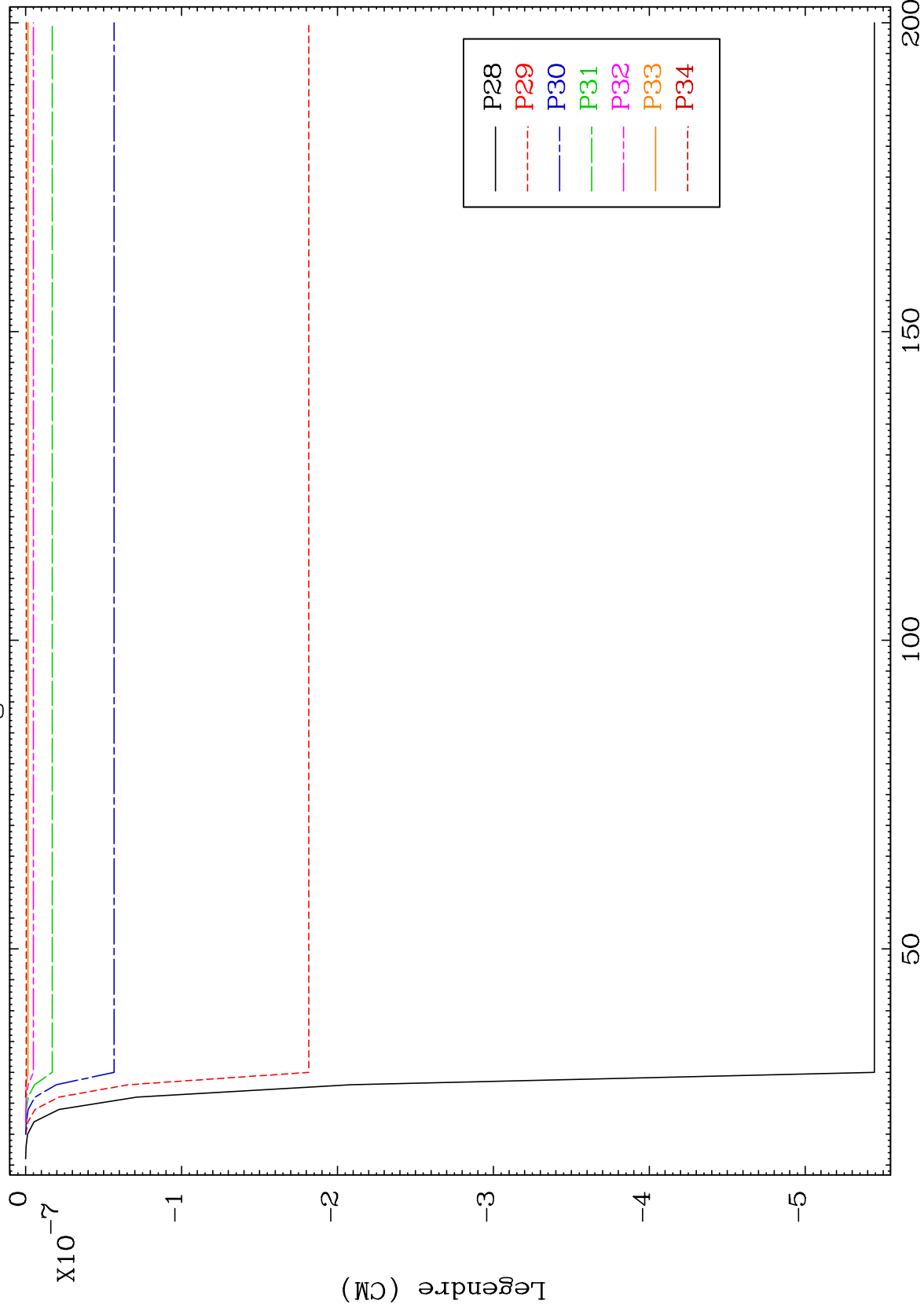
41-Nb-97



MAT 4137

MT= 66 (n,n') Level
Legendre Coefficients

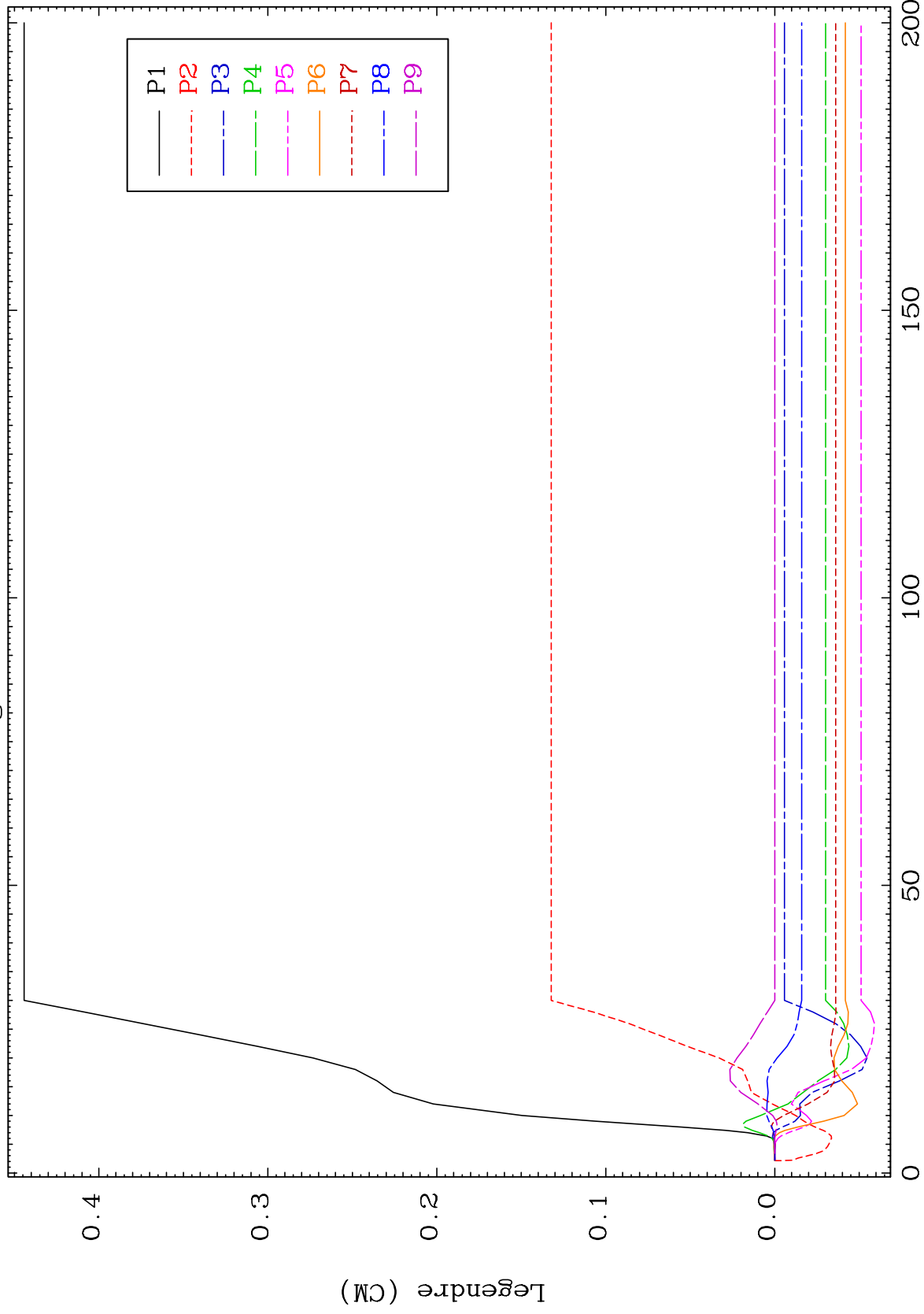
41-Nb-97



MAT 4137

MT= 67 (n,n') Level
Legendre Coefficients

41-Nb-97



84

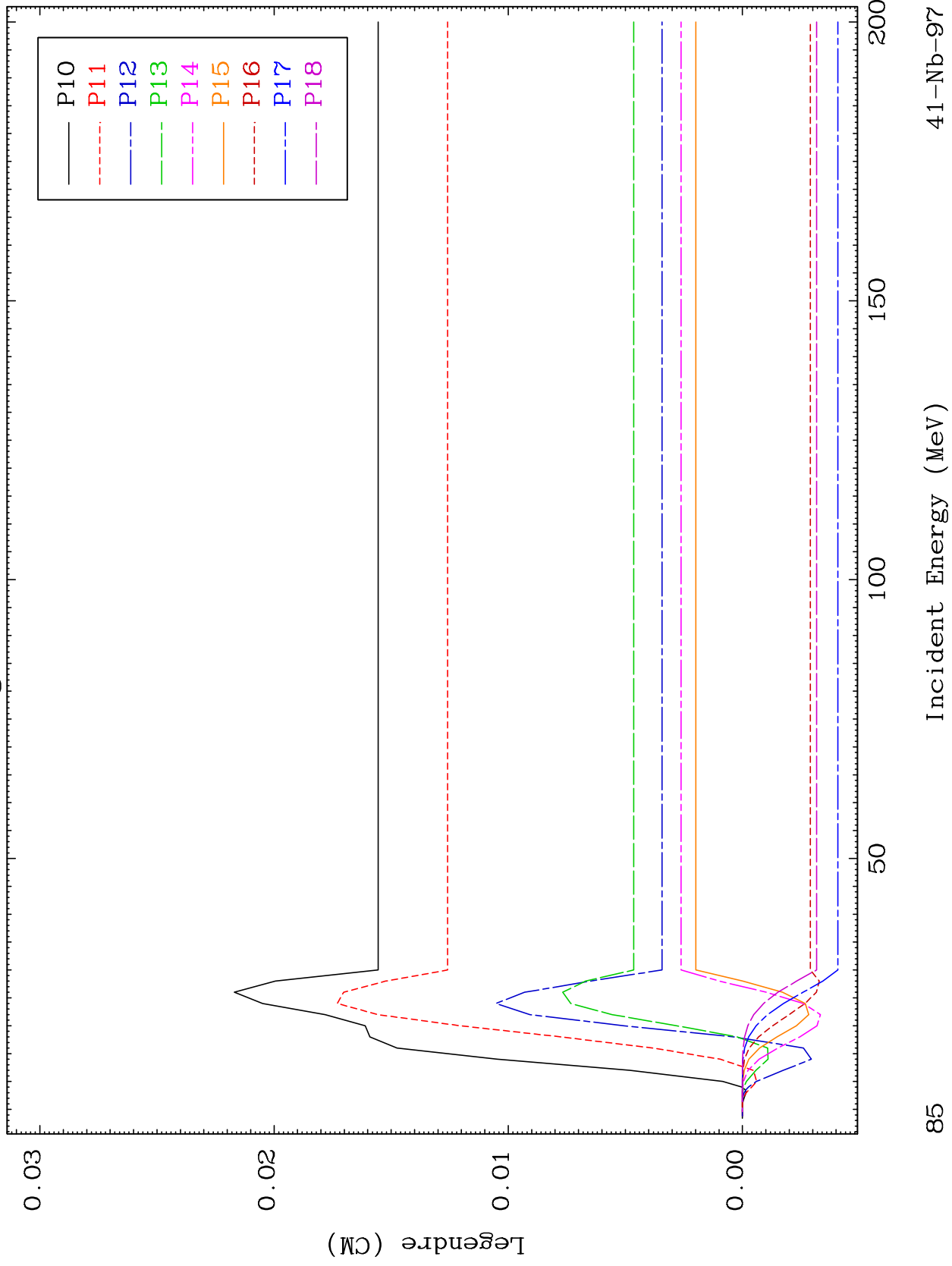
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 67 (n,n') Level
Legendre Coefficients

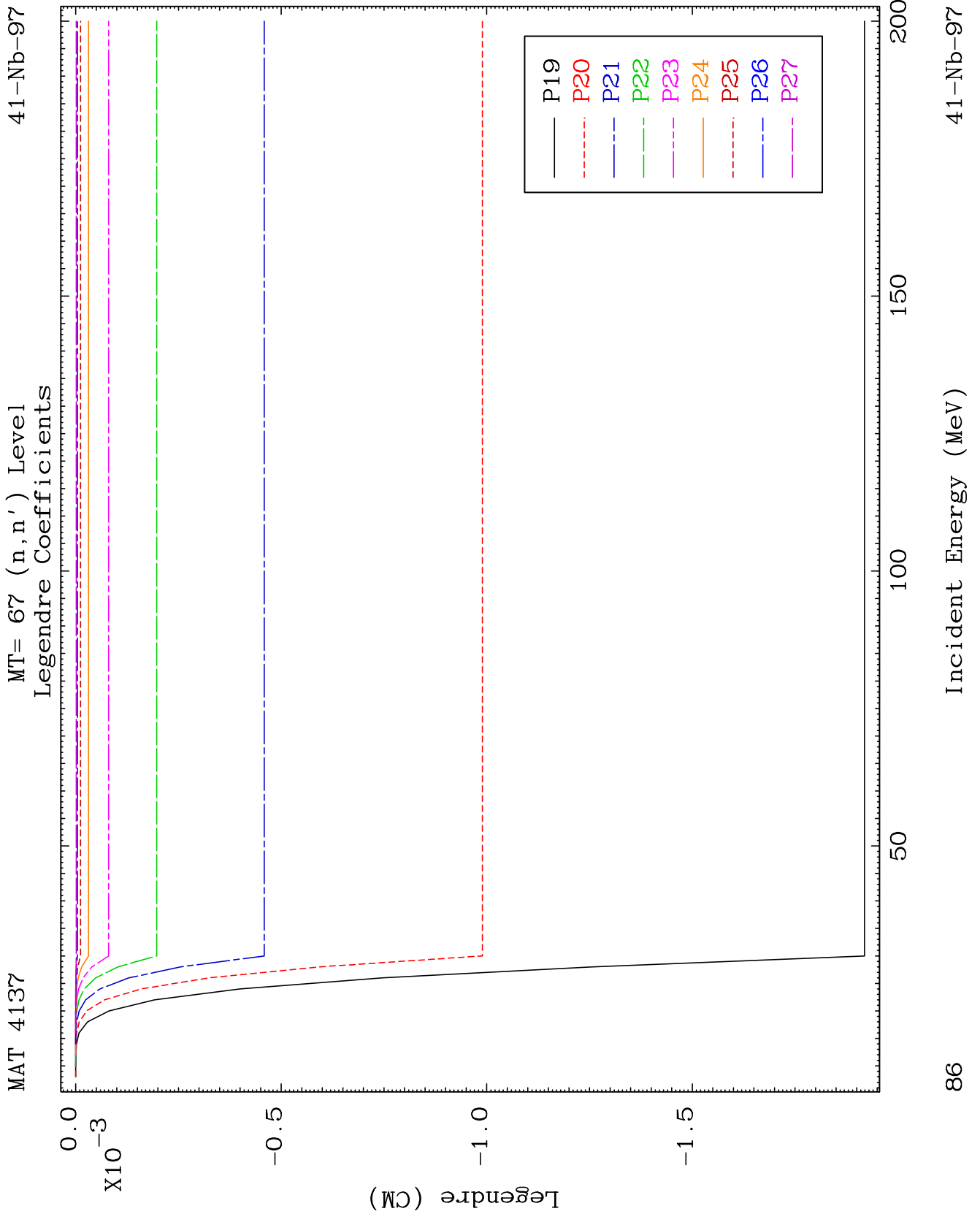
41-Nb-97

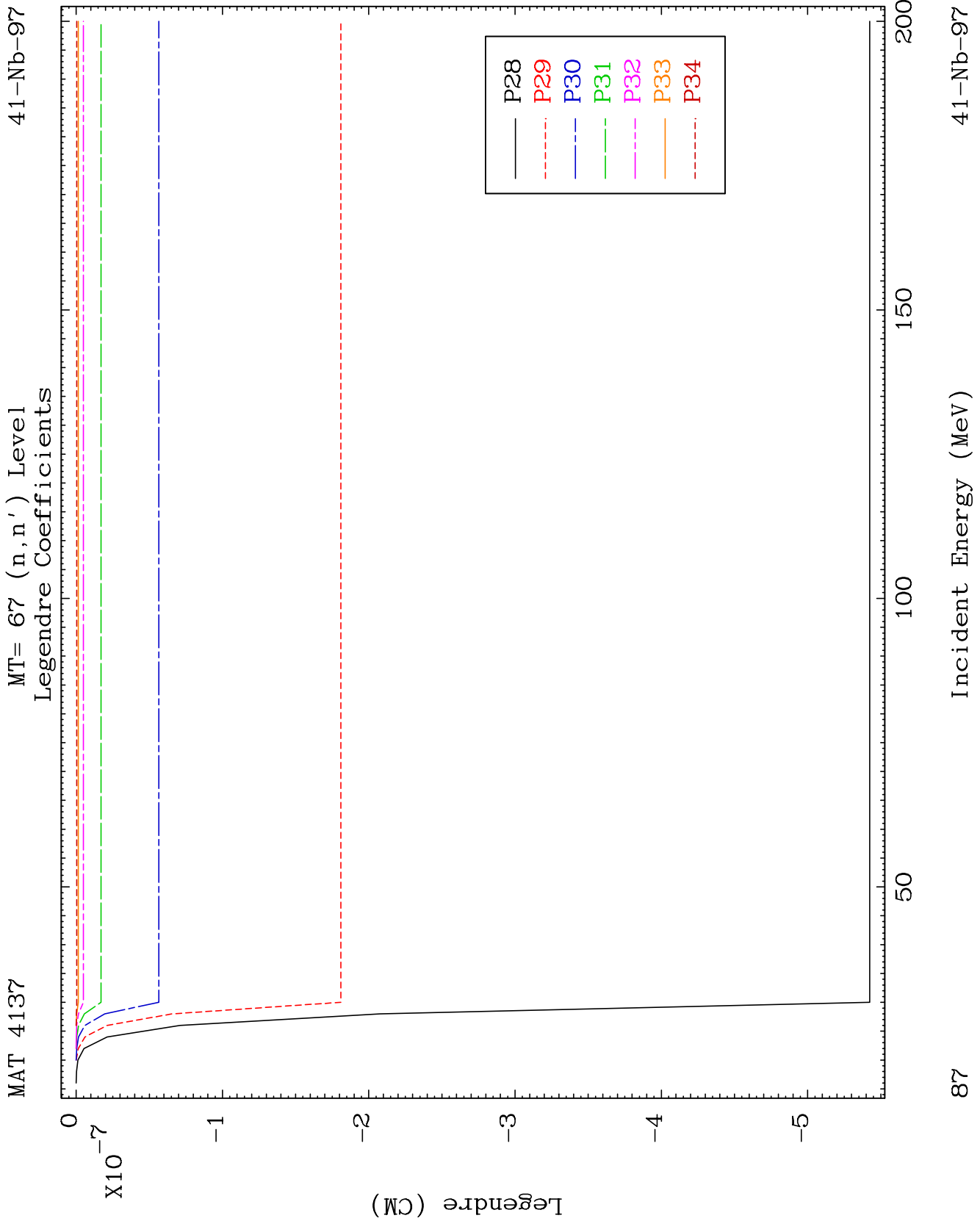


85

Incident Energy (MeV)

41-Nb-97

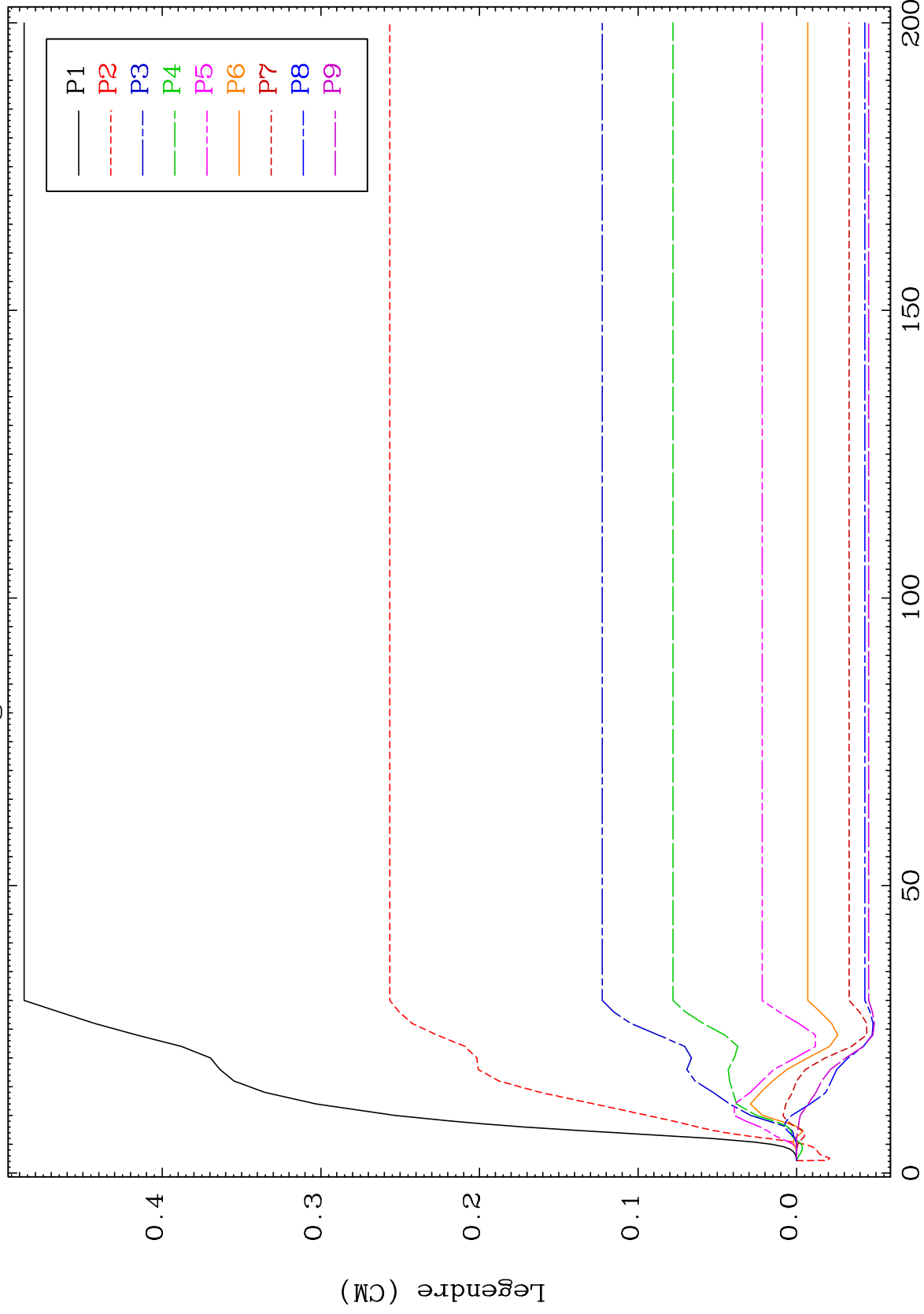




MAT 4137

MT= 68 (n,n') Level
Legendre Coefficients

41-Nb-97



88

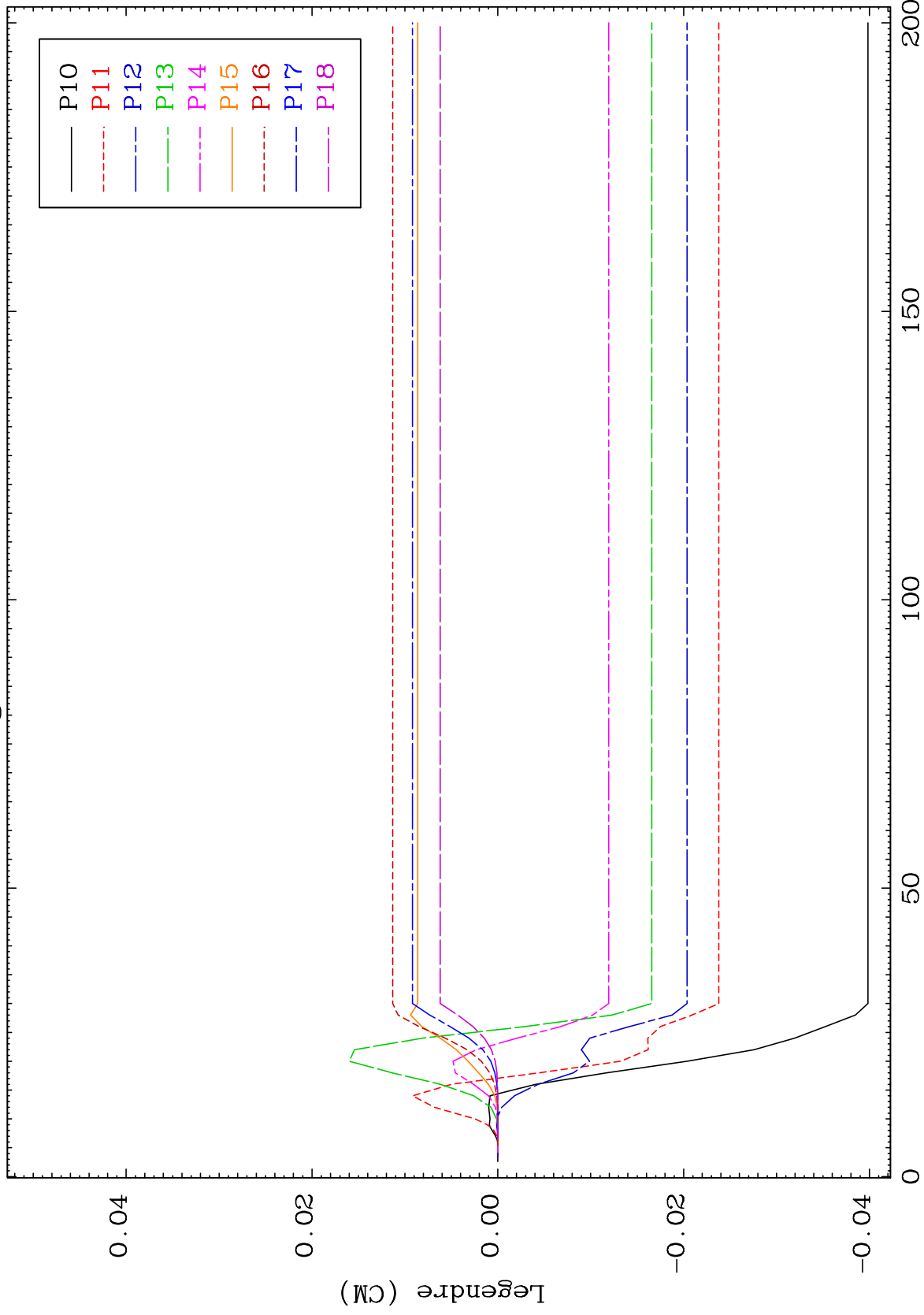
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 68 (n,n') Level
Legendre Coefficients

41-Nb-97



89

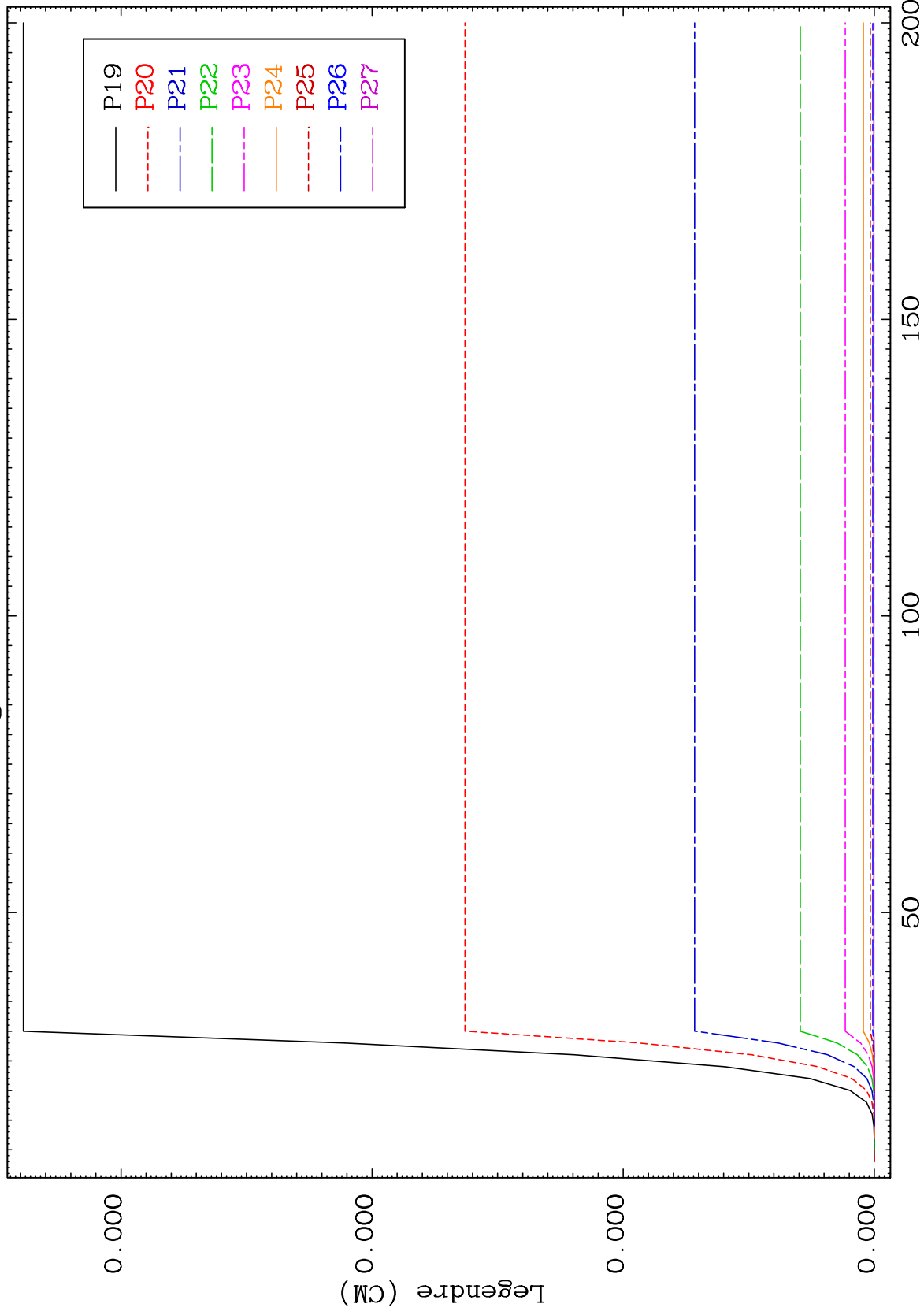
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 68 (n,n') Level
Legendre Coefficients

41-Nb-97



90

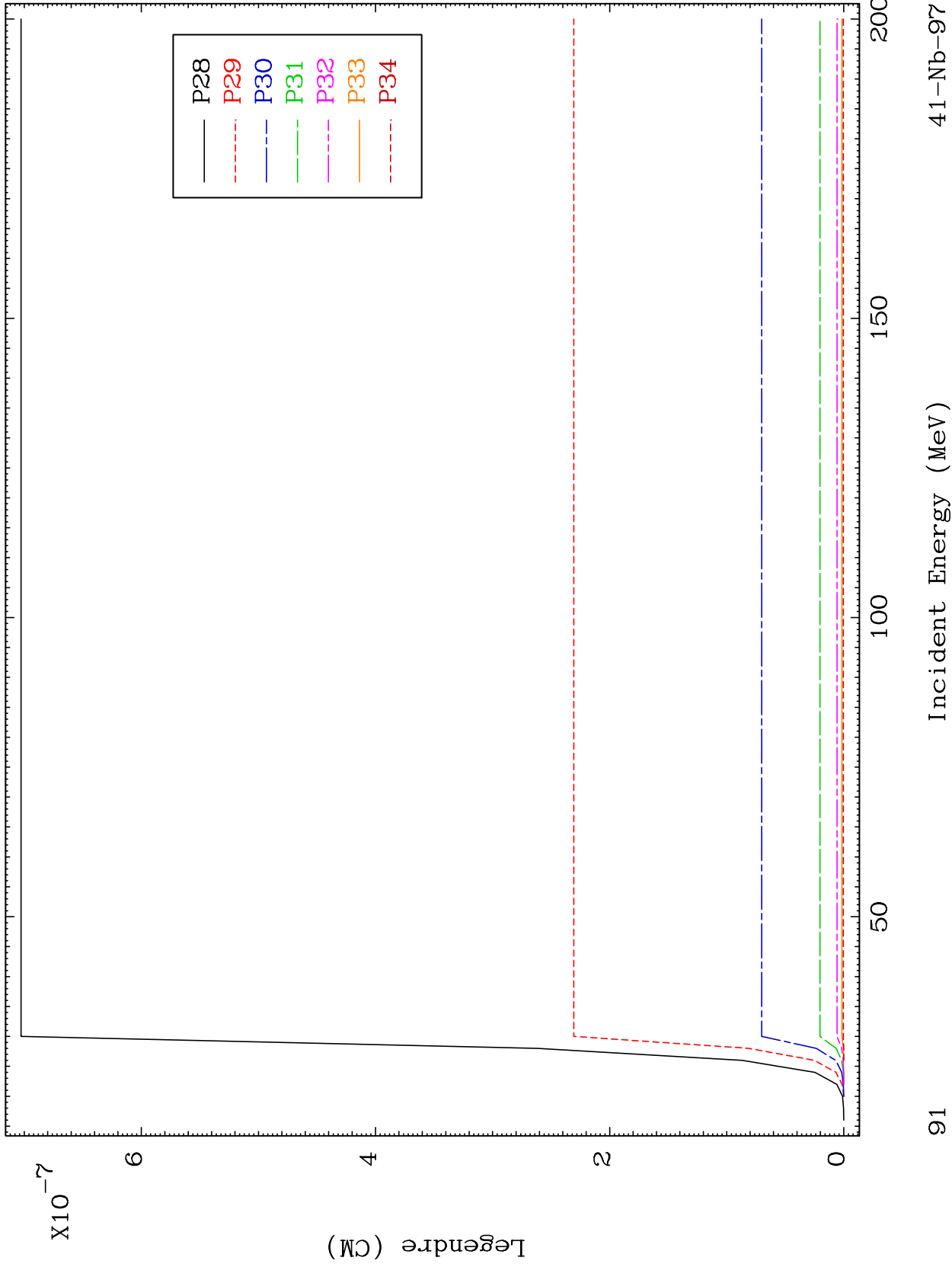
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 68 (n,n') Level
Legendre Coefficients

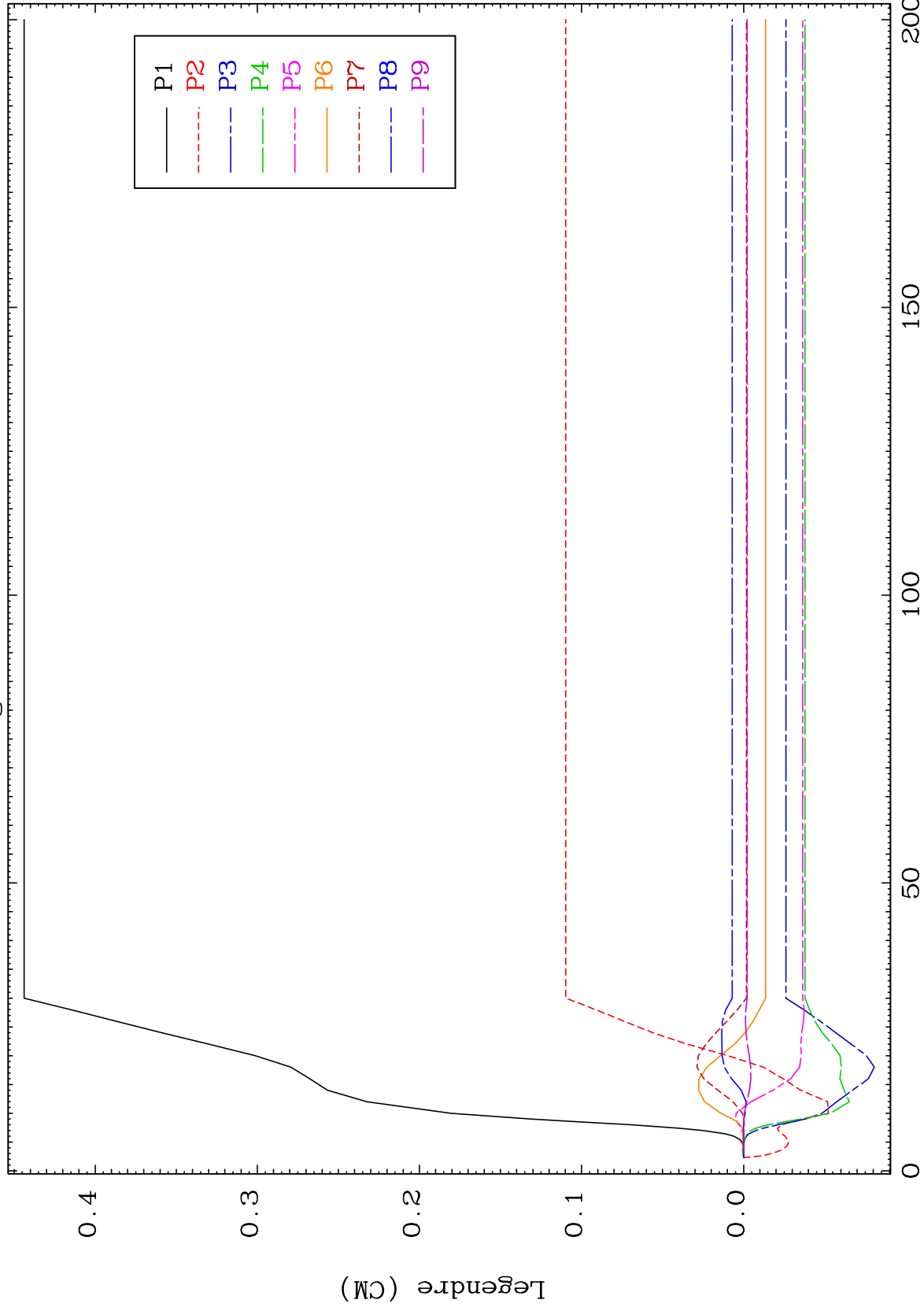
41-Nb-97



MAT 4137

MT= 69 (n,n') Level
Legendre Coefficients

41-Nb-97



92

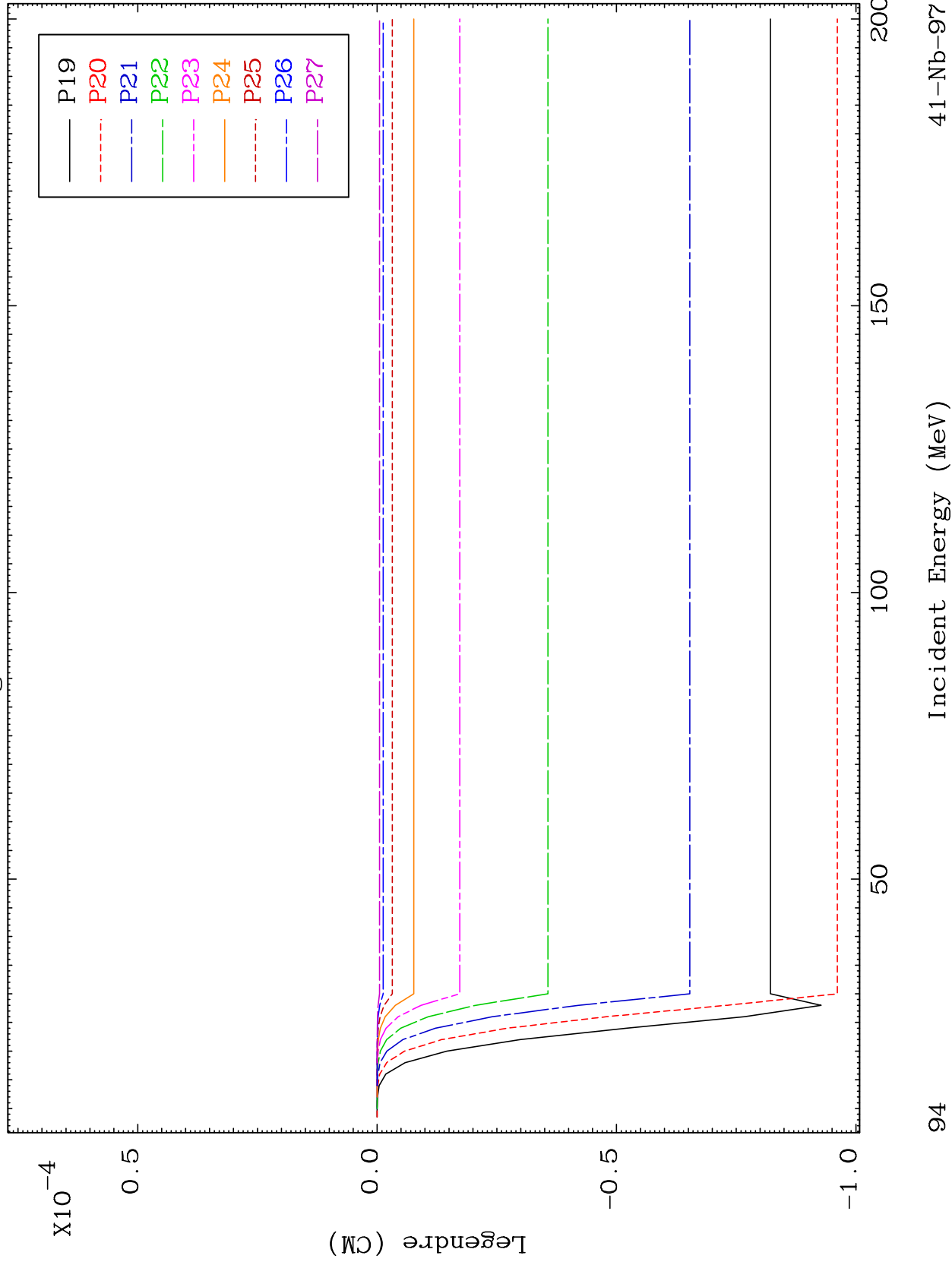
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 69 (n,n') Level
Legendre Coefficients

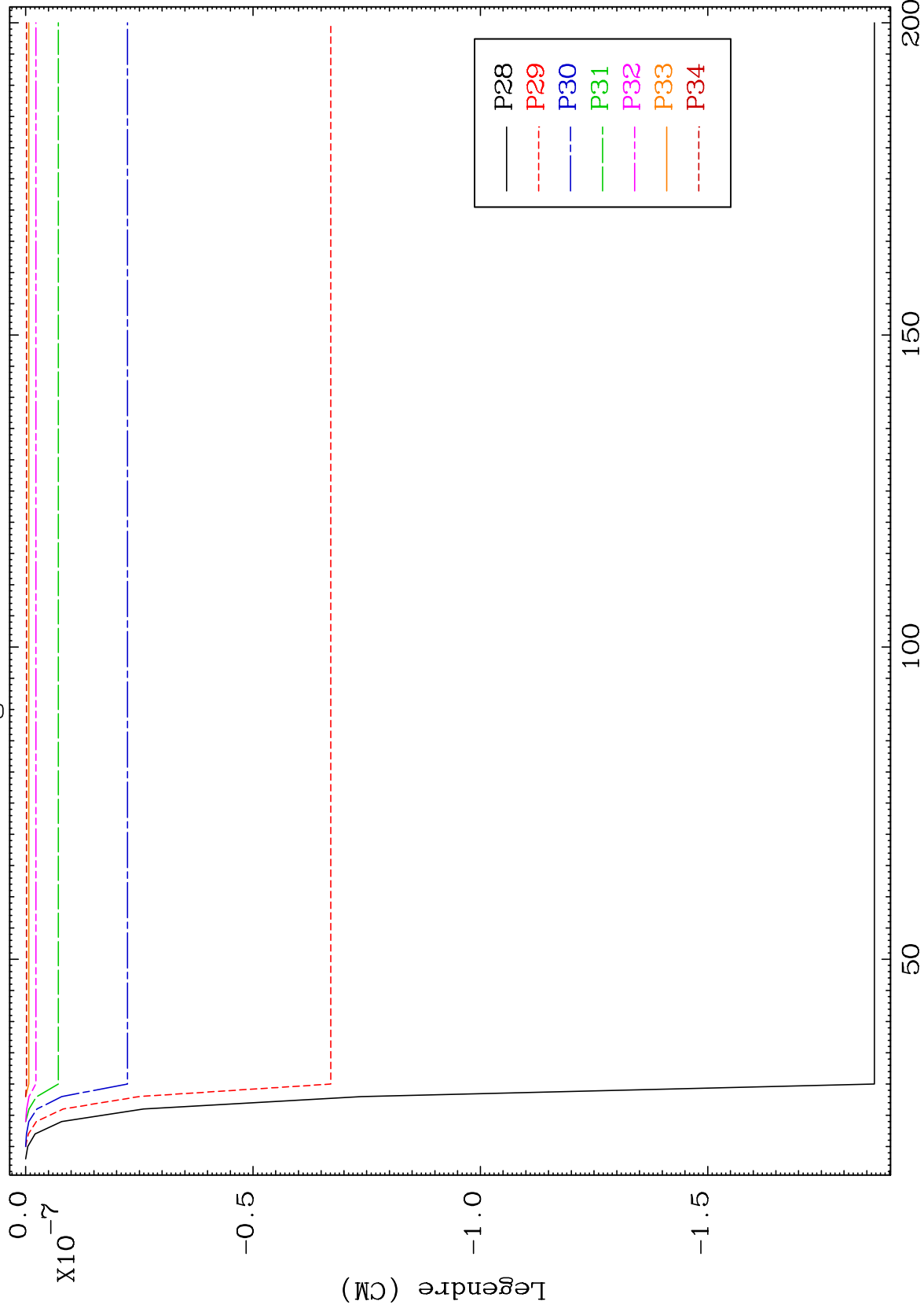
41-Nb-97



MAT 4137

MT= 69 (n,n') Level
Legendre Coefficients

41-Nb-97



95

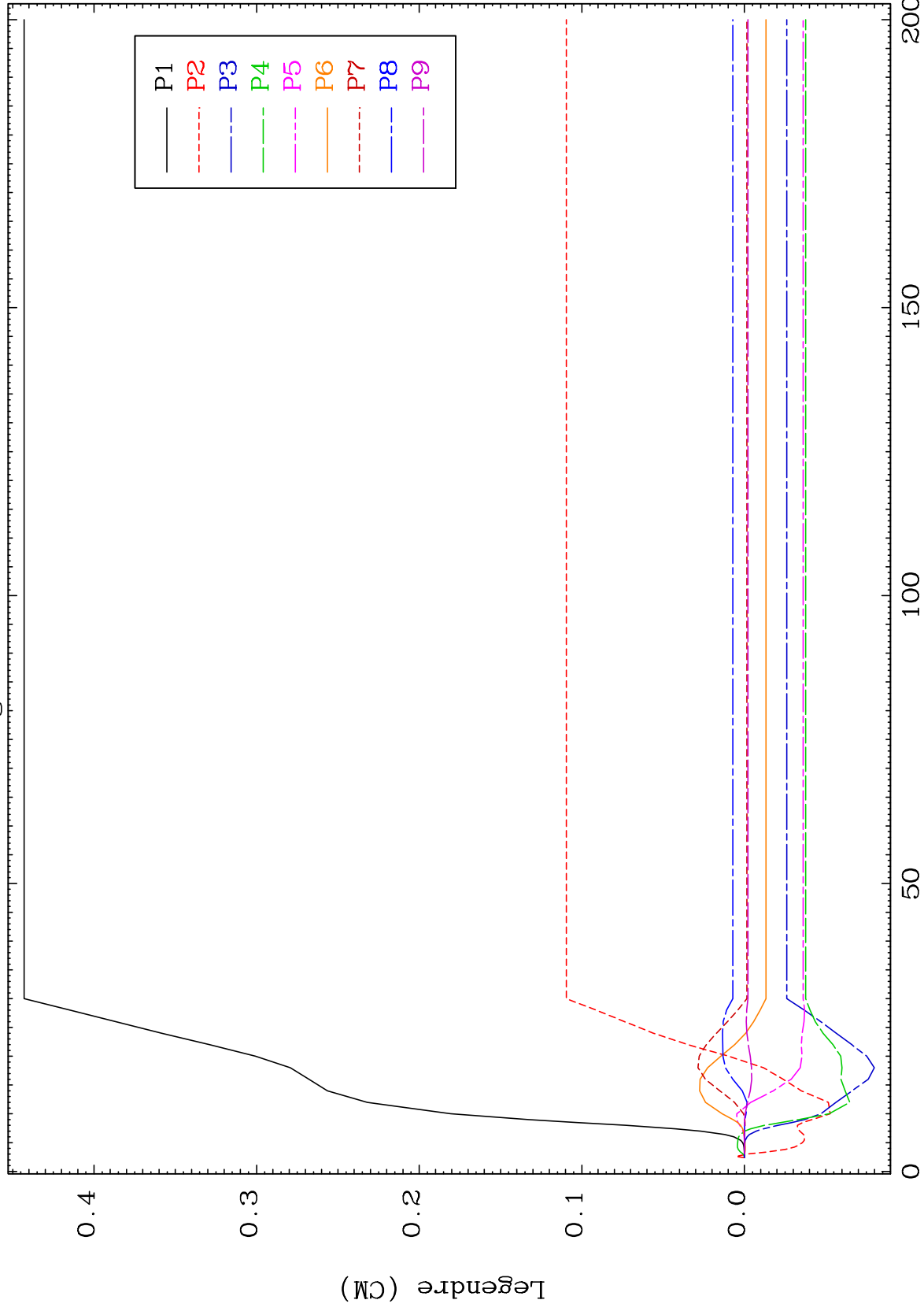
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 70 (n,n') Level
Legendre Coefficients

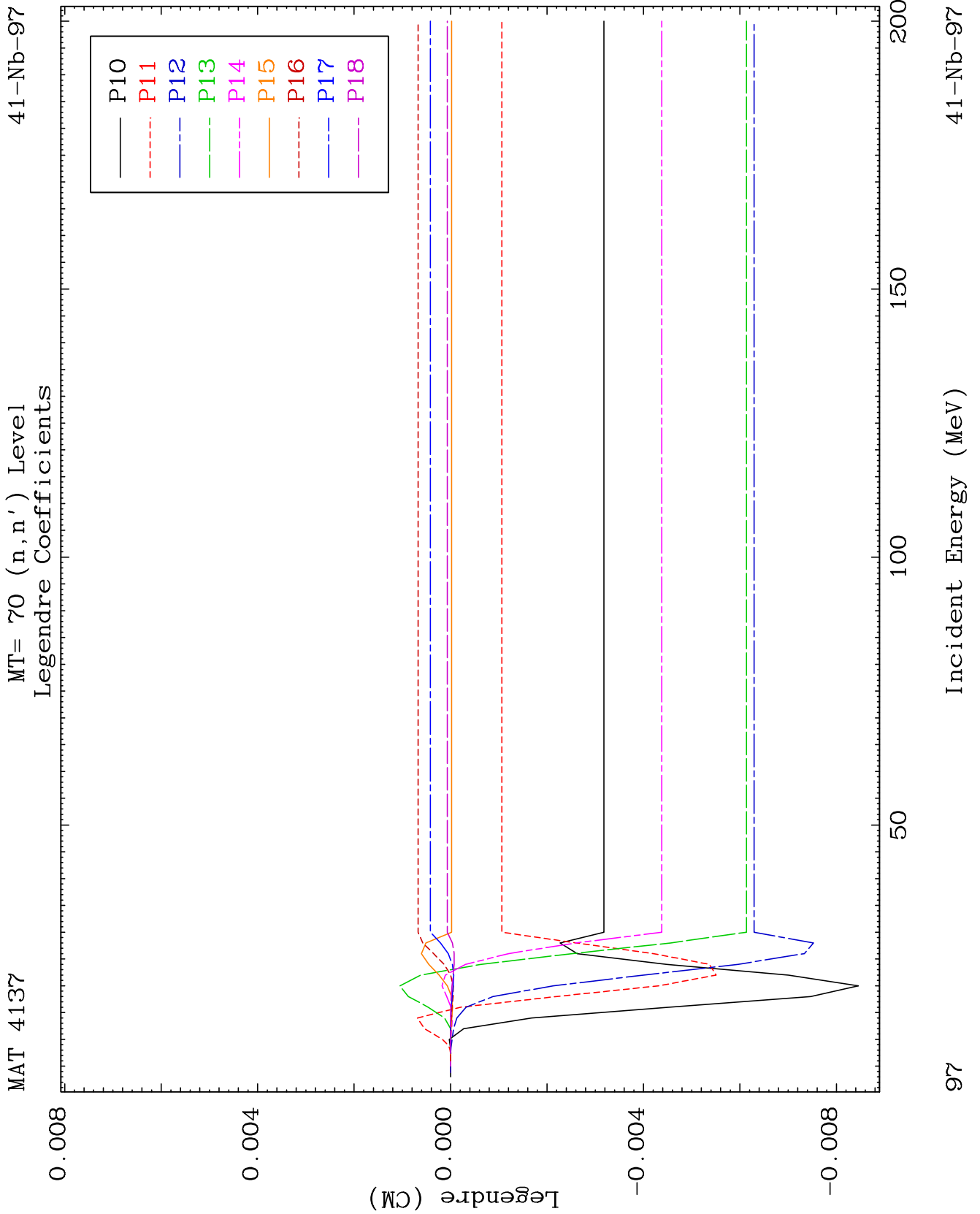
41-Nb-97



96

Incident Energy (MeV)

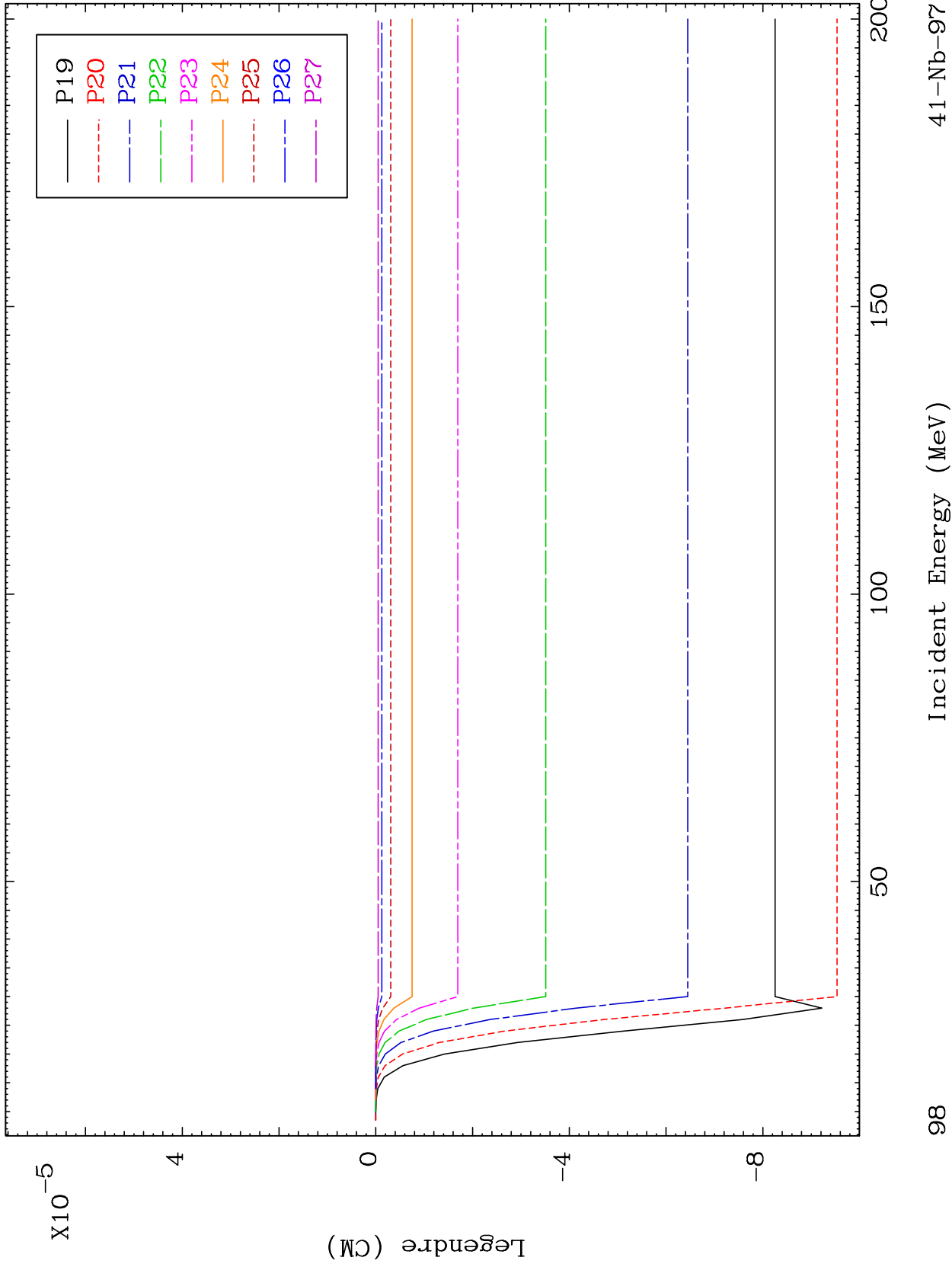
41-Nb-97

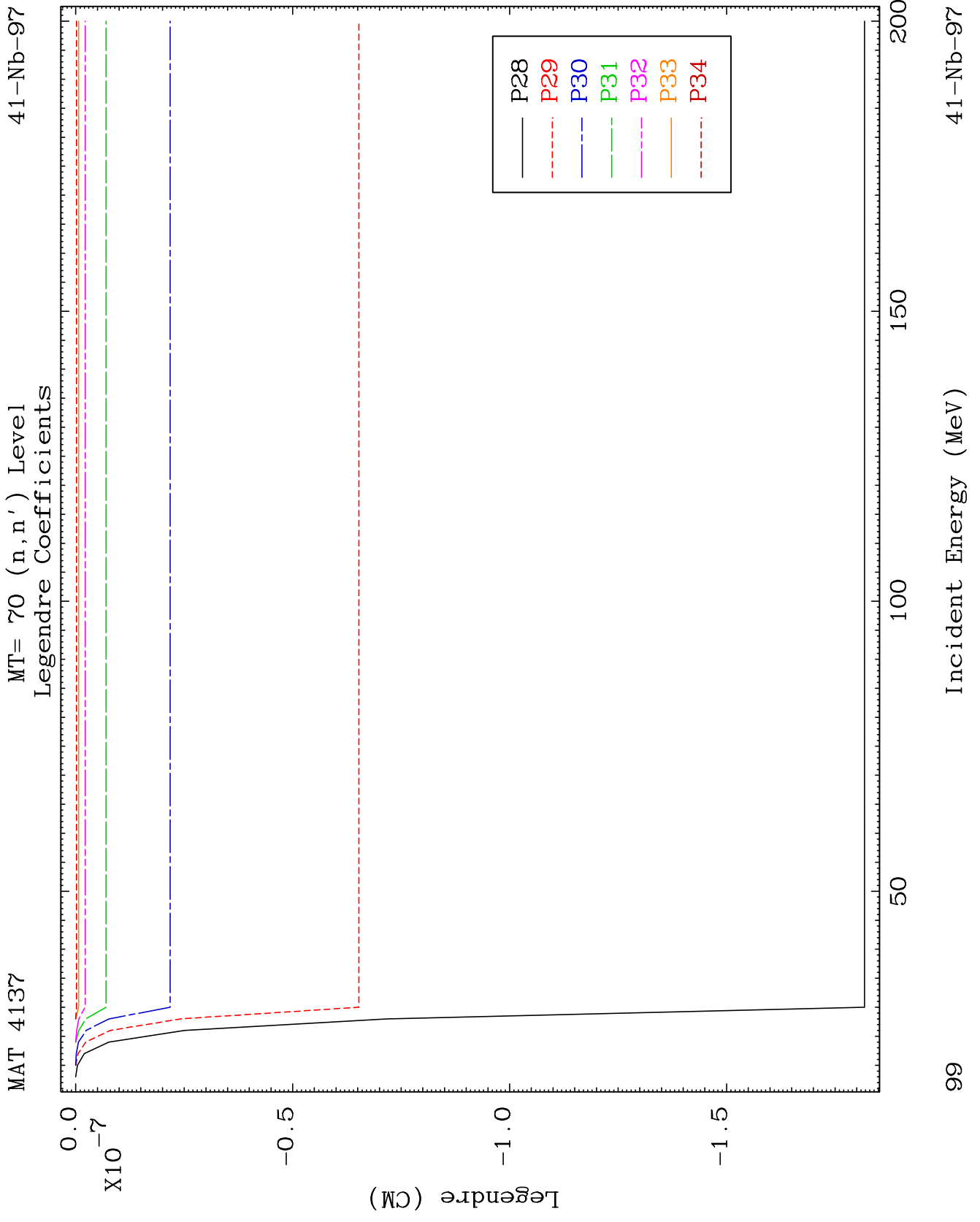


MAT 4137

MT= 70 (n,n') Level
Legendre Coefficients

41-Nb-97

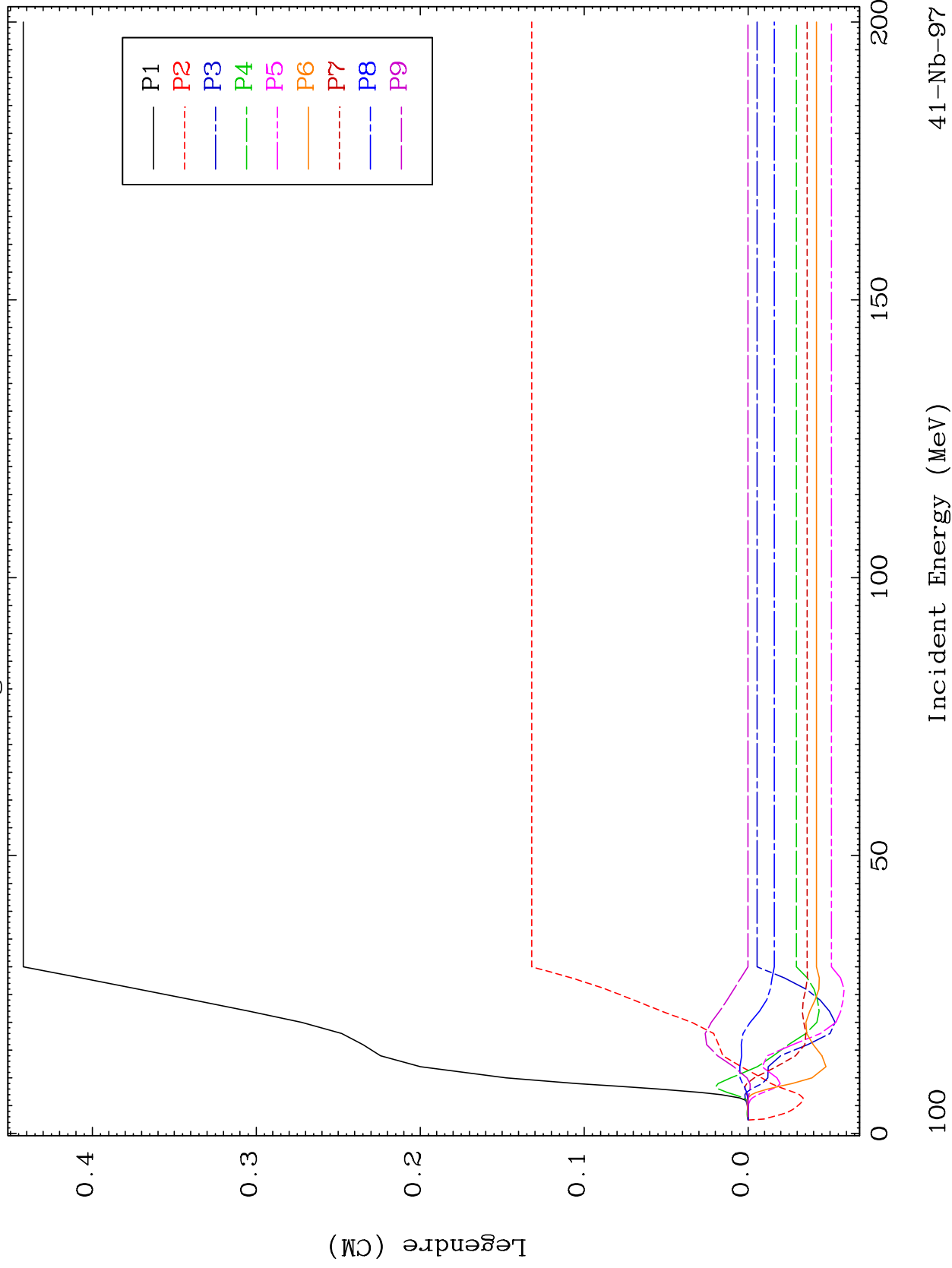




MAT 4137

MT= 71 (n,n') Level
Legendre Coefficients

41-Nb-97

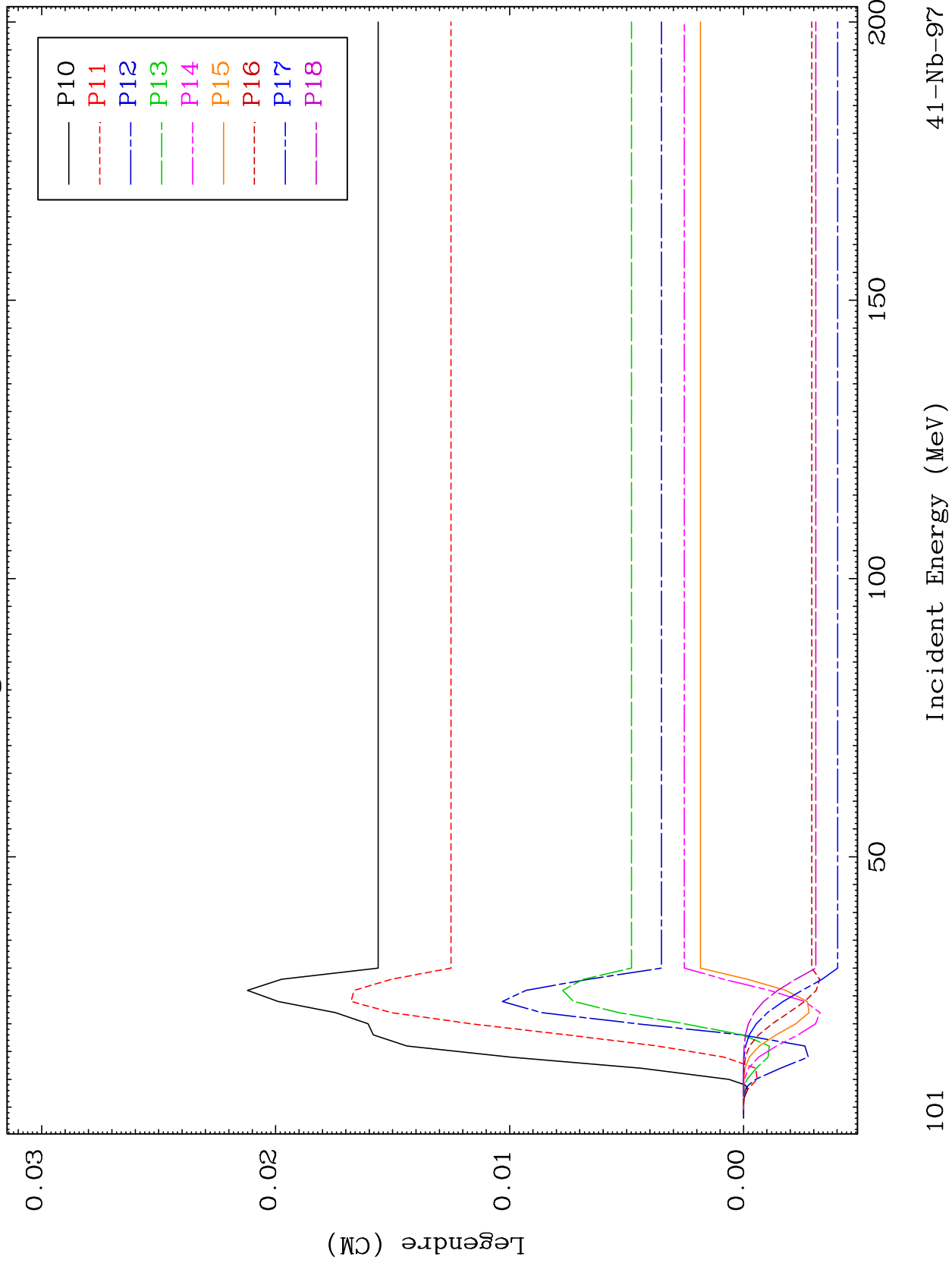


41-Nb-97

MAT 4137

MT= 71 (n,n') Level
Legendre Coefficients

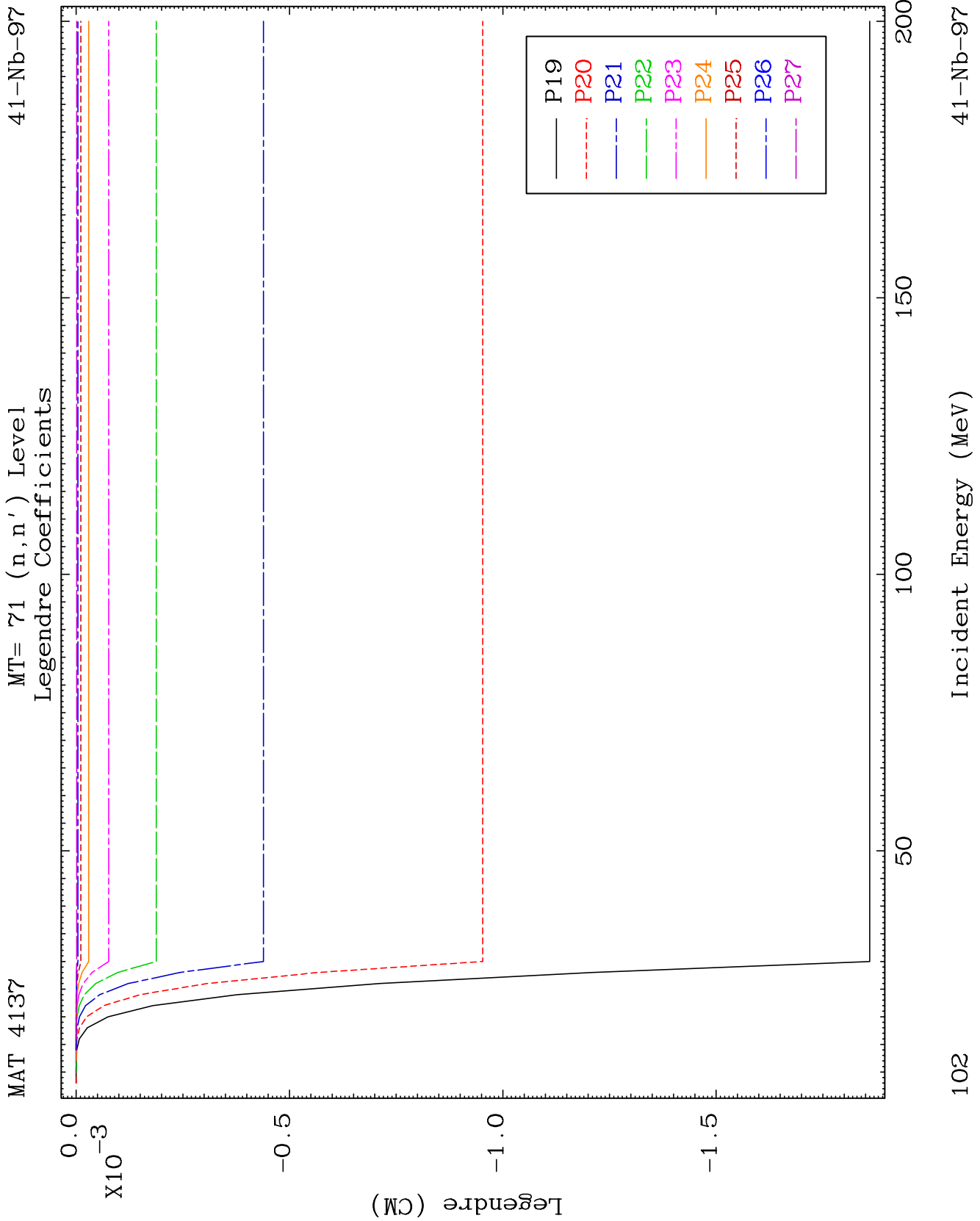
41-Nb-97

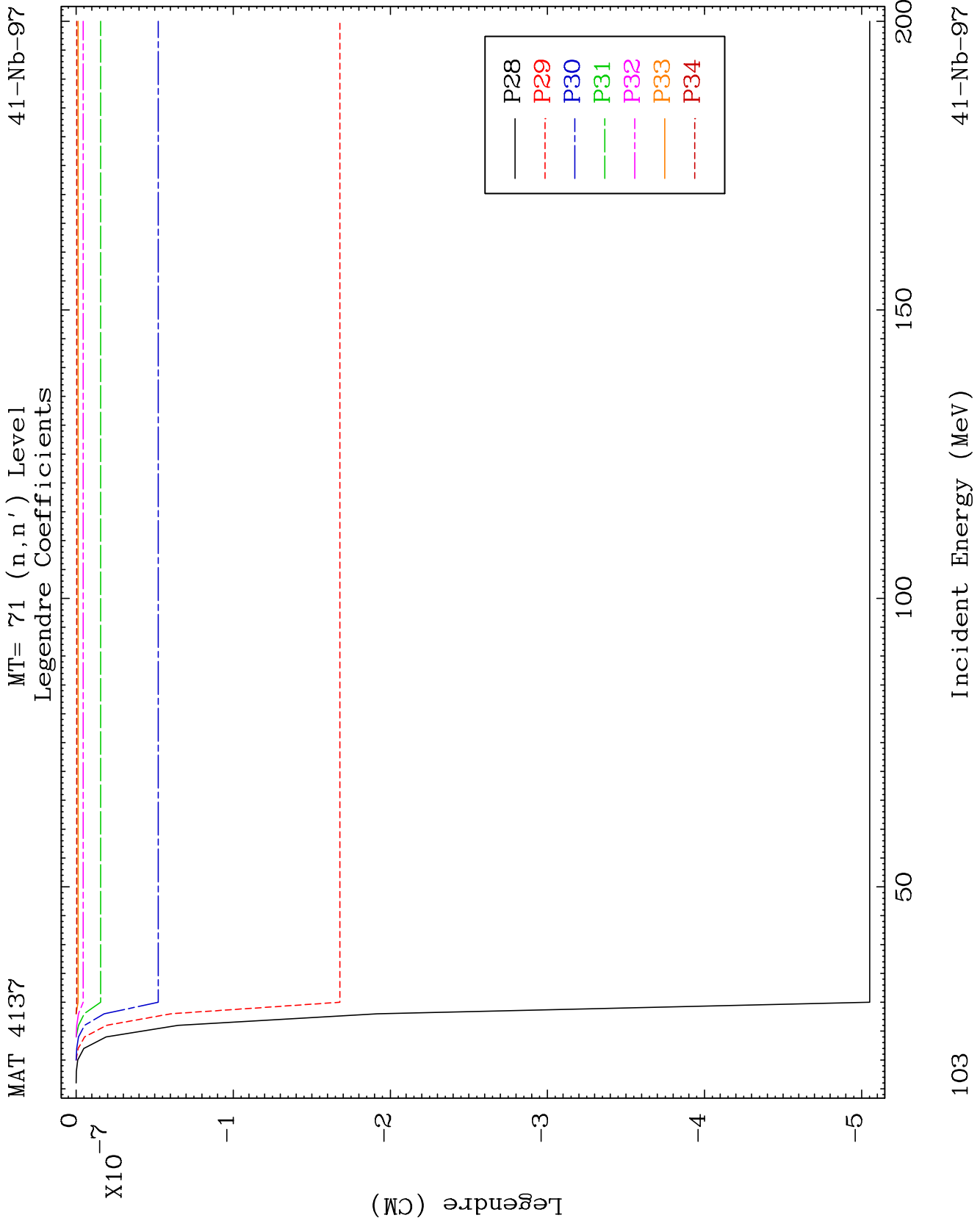


101

Incident Energy (MeV)

41-Nb-97

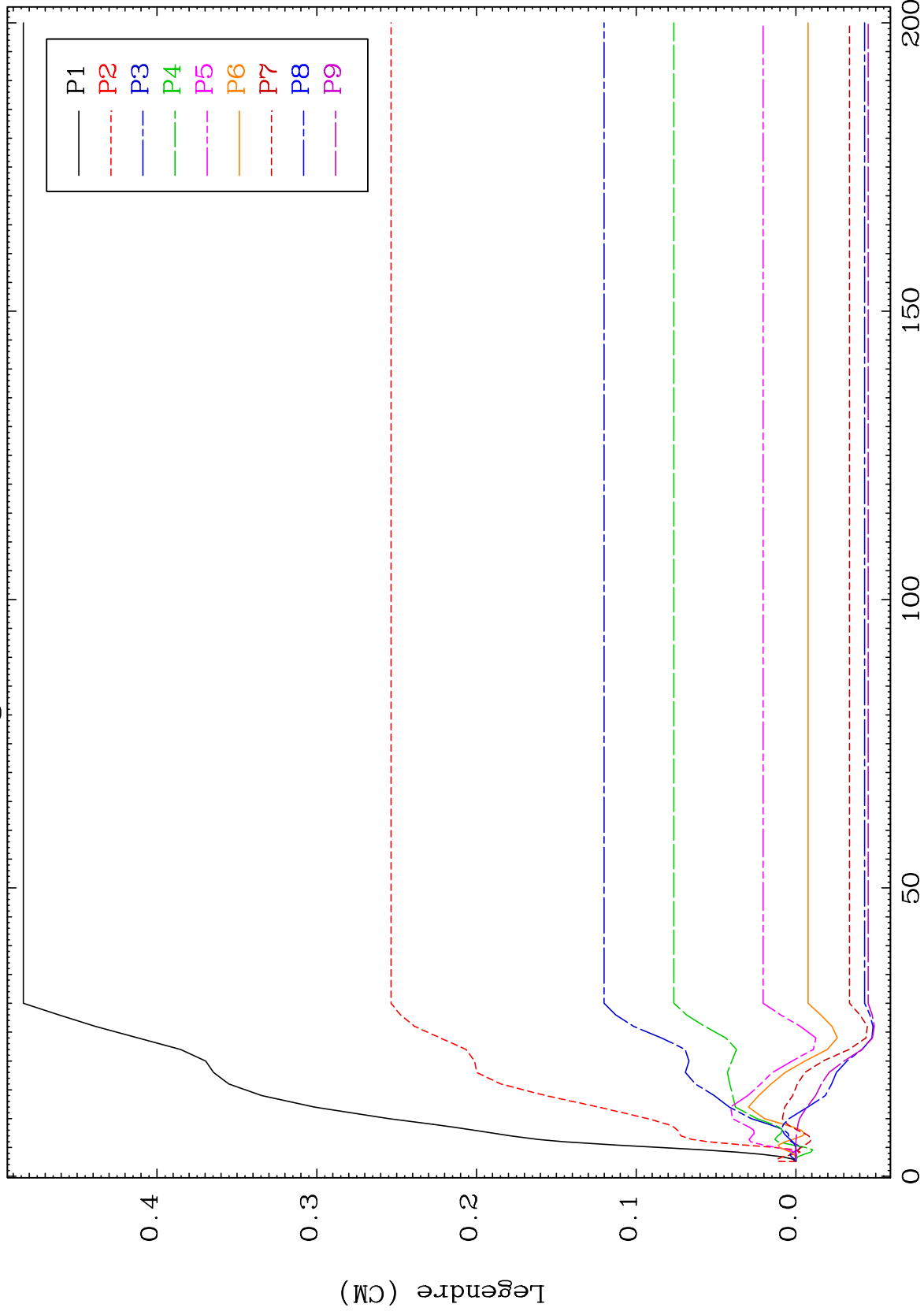




MAT 4137

MT= 72 (n,n') Level
Legendre Coefficients

41-Nb-97



104

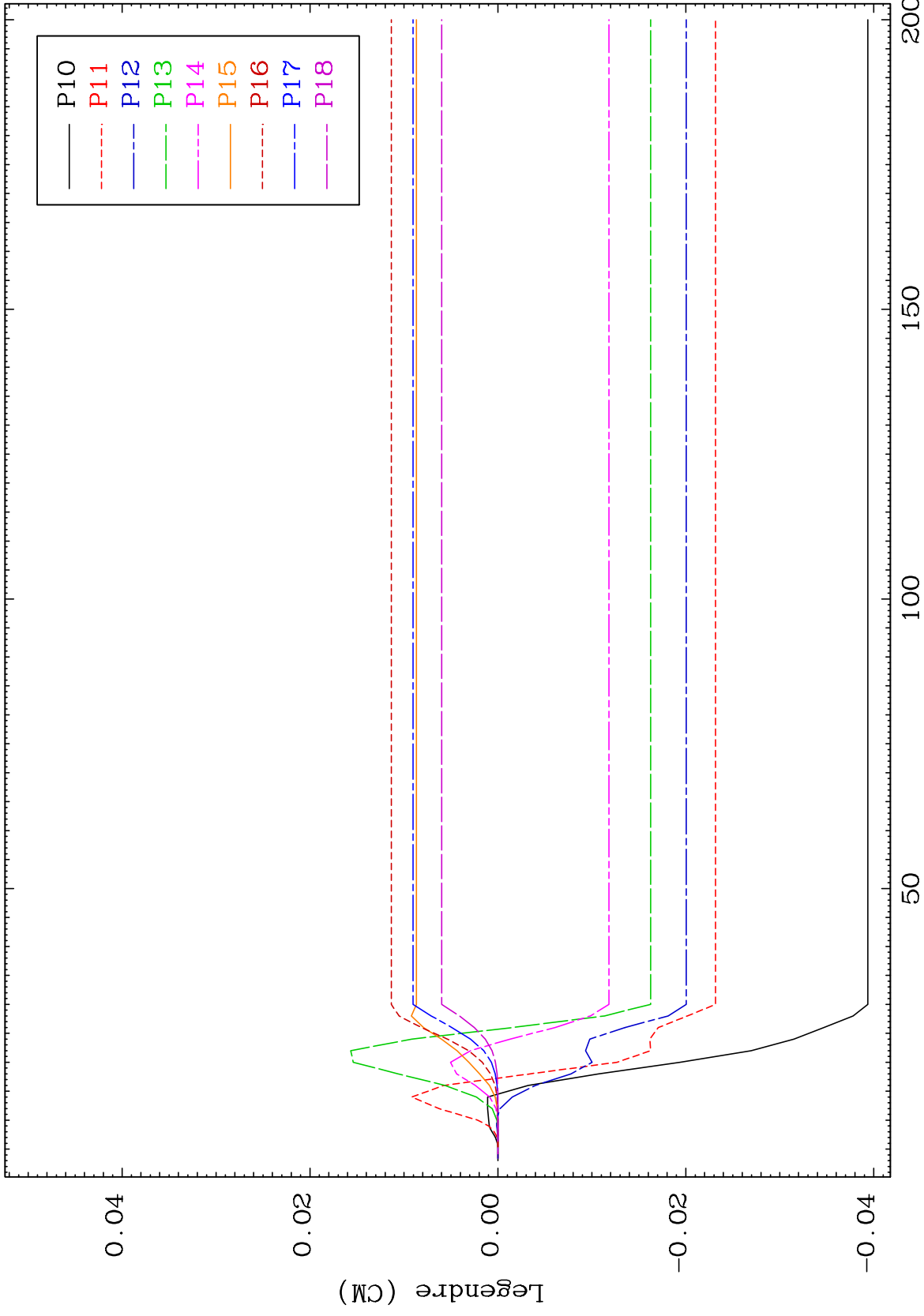
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 72 (n,n') Level
Legendre Coefficients

41-Nb-97



105

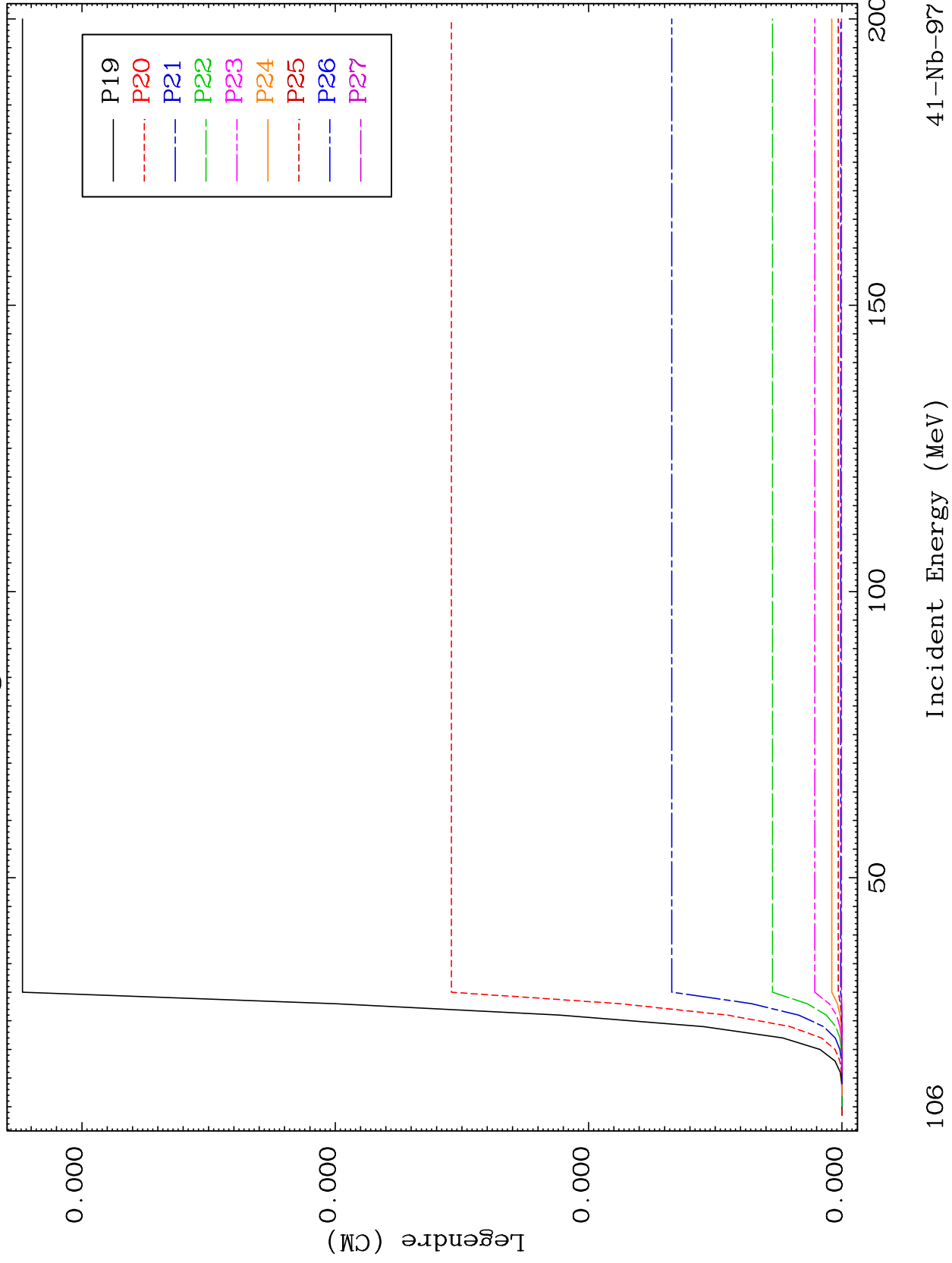
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 72 (n,n') Level
Legendre Coefficients

41-Nb-97



106

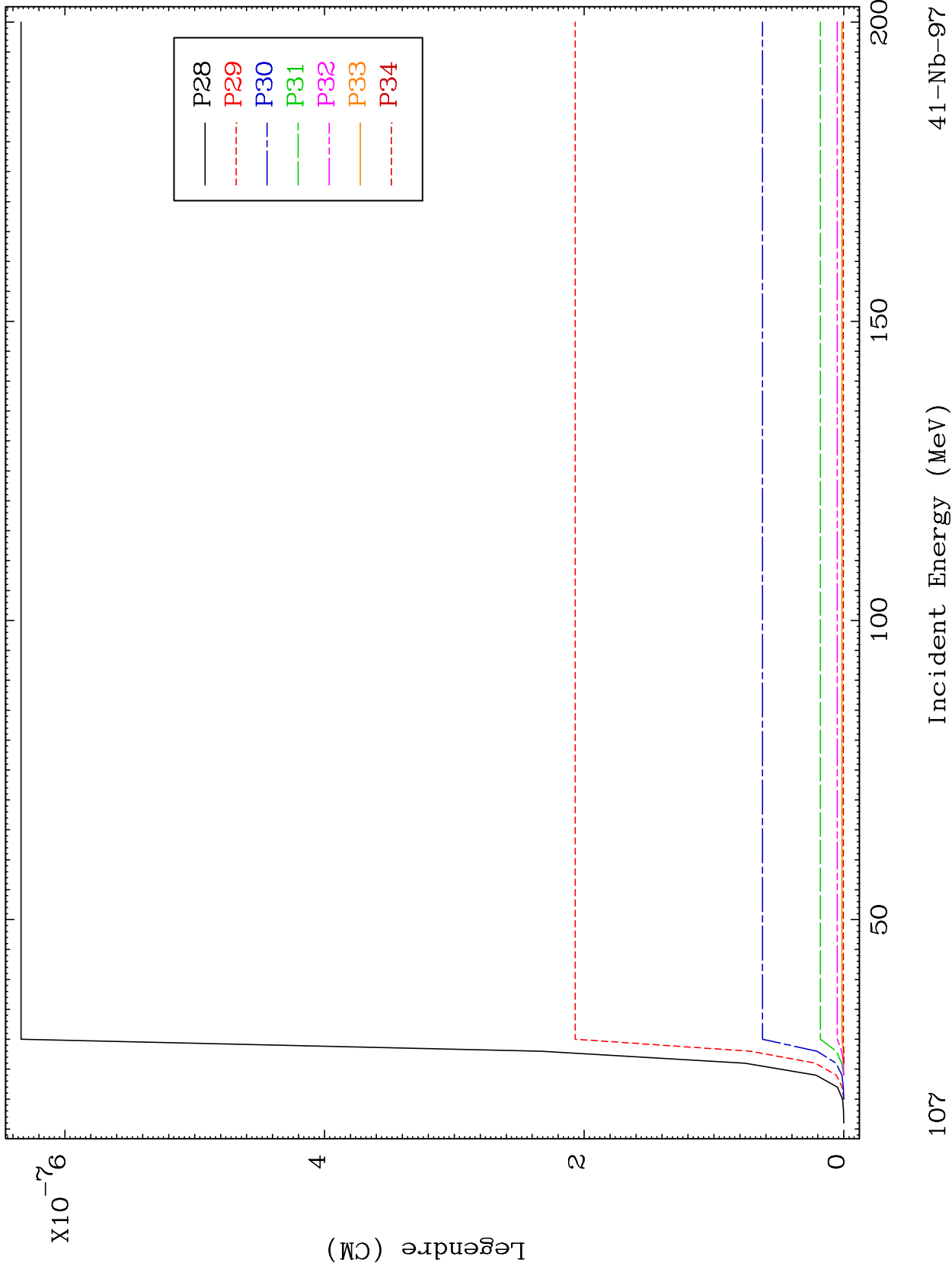
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 72 (n,n') Level
Legendre Coefficients

41-Nb-97

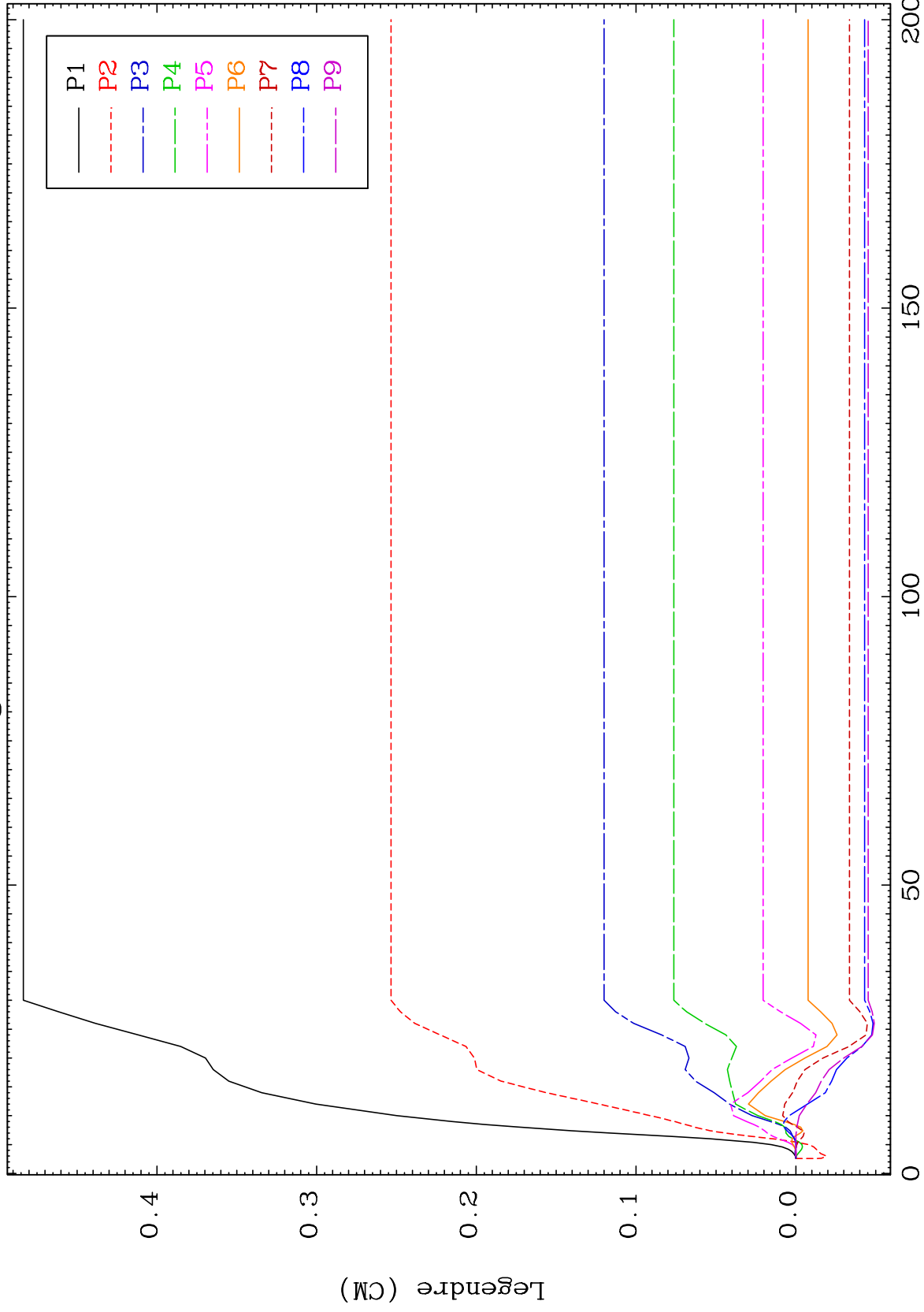


107

MAT 4137

MT= 73 (n,n') Level
Legendre Coefficients

41-Nb-97



108

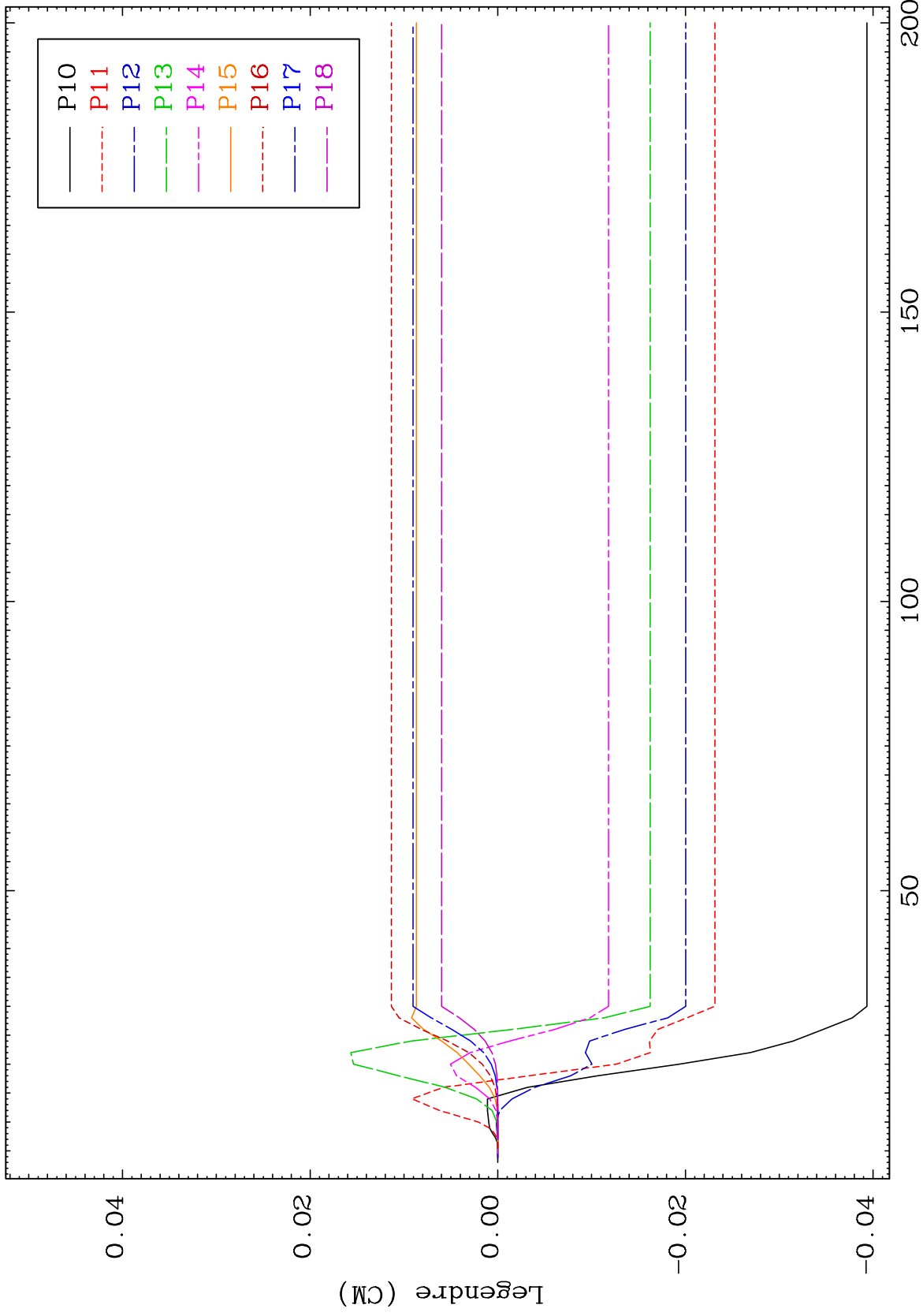
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 73 (n,n') Level
Legendre Coefficients

41-Nb-97



109

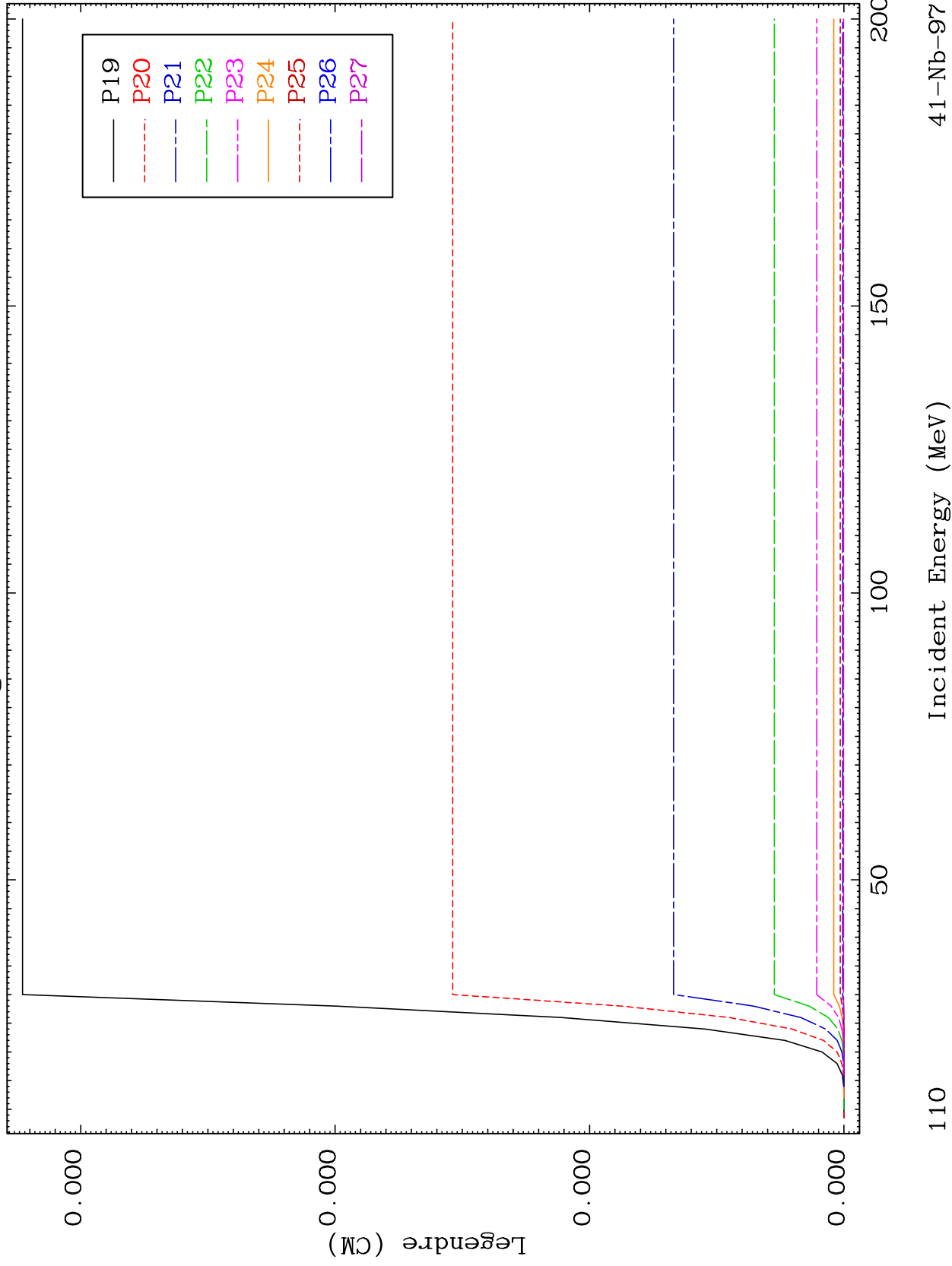
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 73 (n,n') Level
Legendre Coefficients

41-Nb-97



110

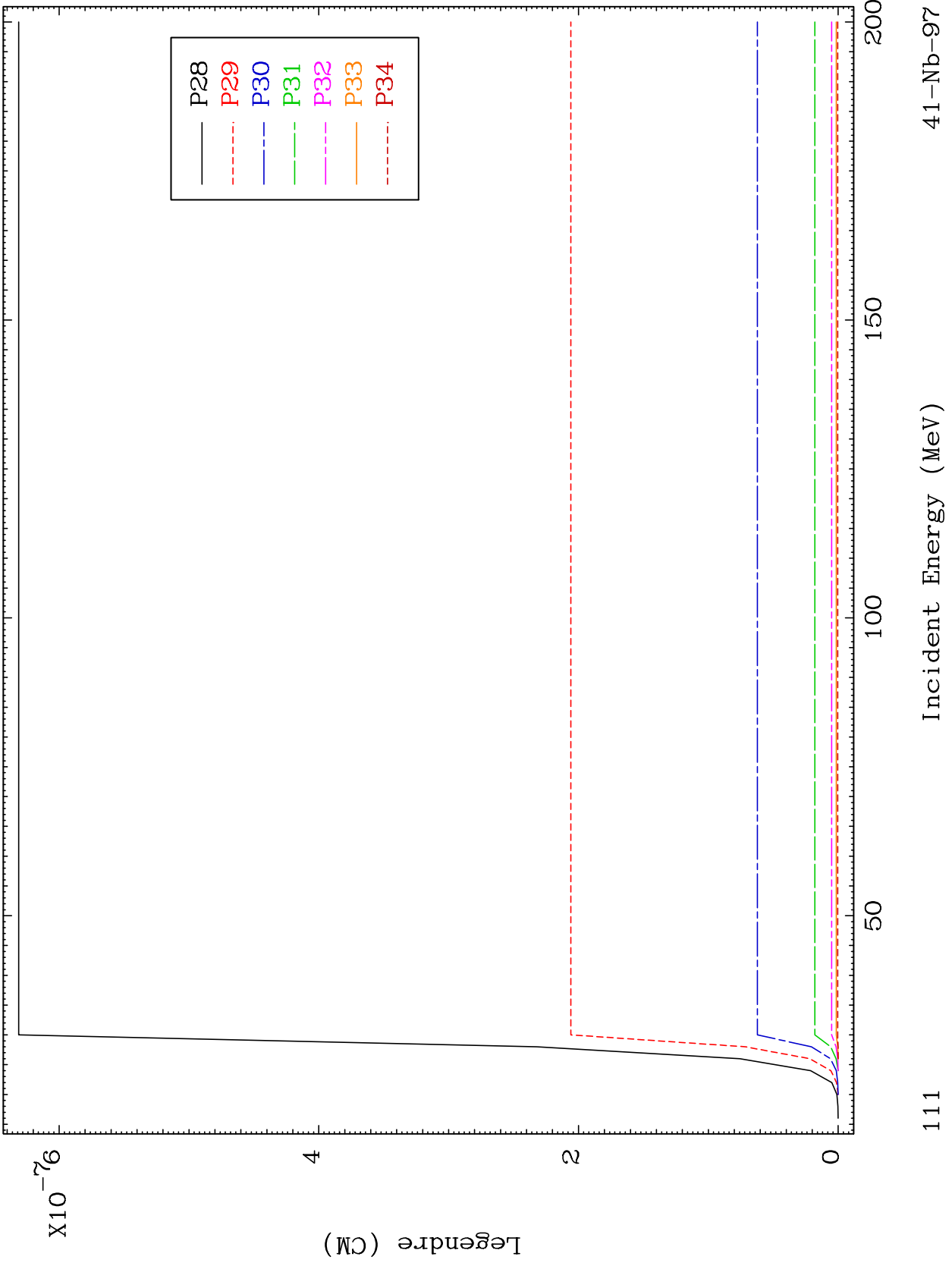
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 73 (n,n') Level
Legendre Coefficients

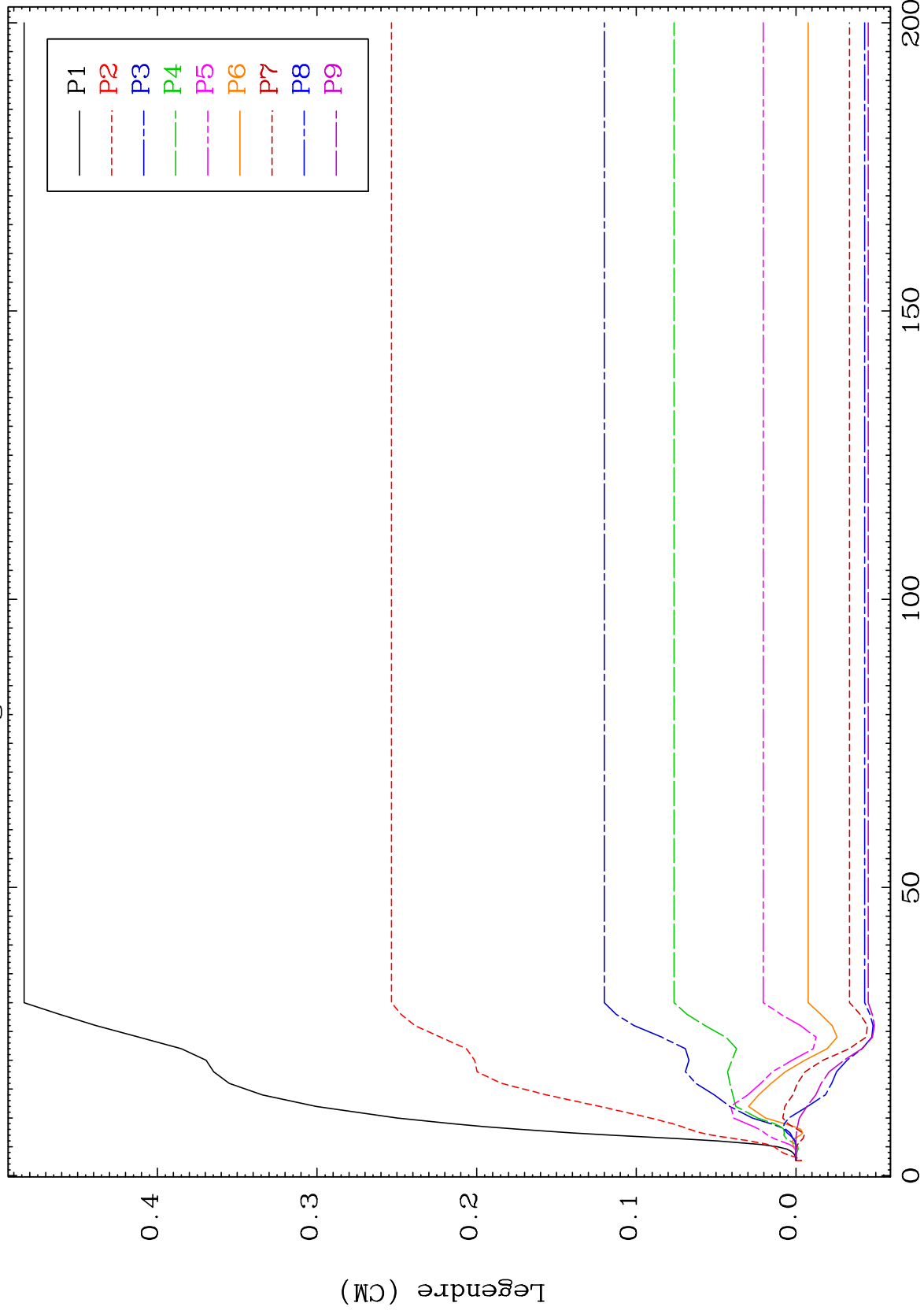
41-Nb-97



MAT 4137

MT= 74 (n,n') Level
Legendre Coefficients

41-Nb-97



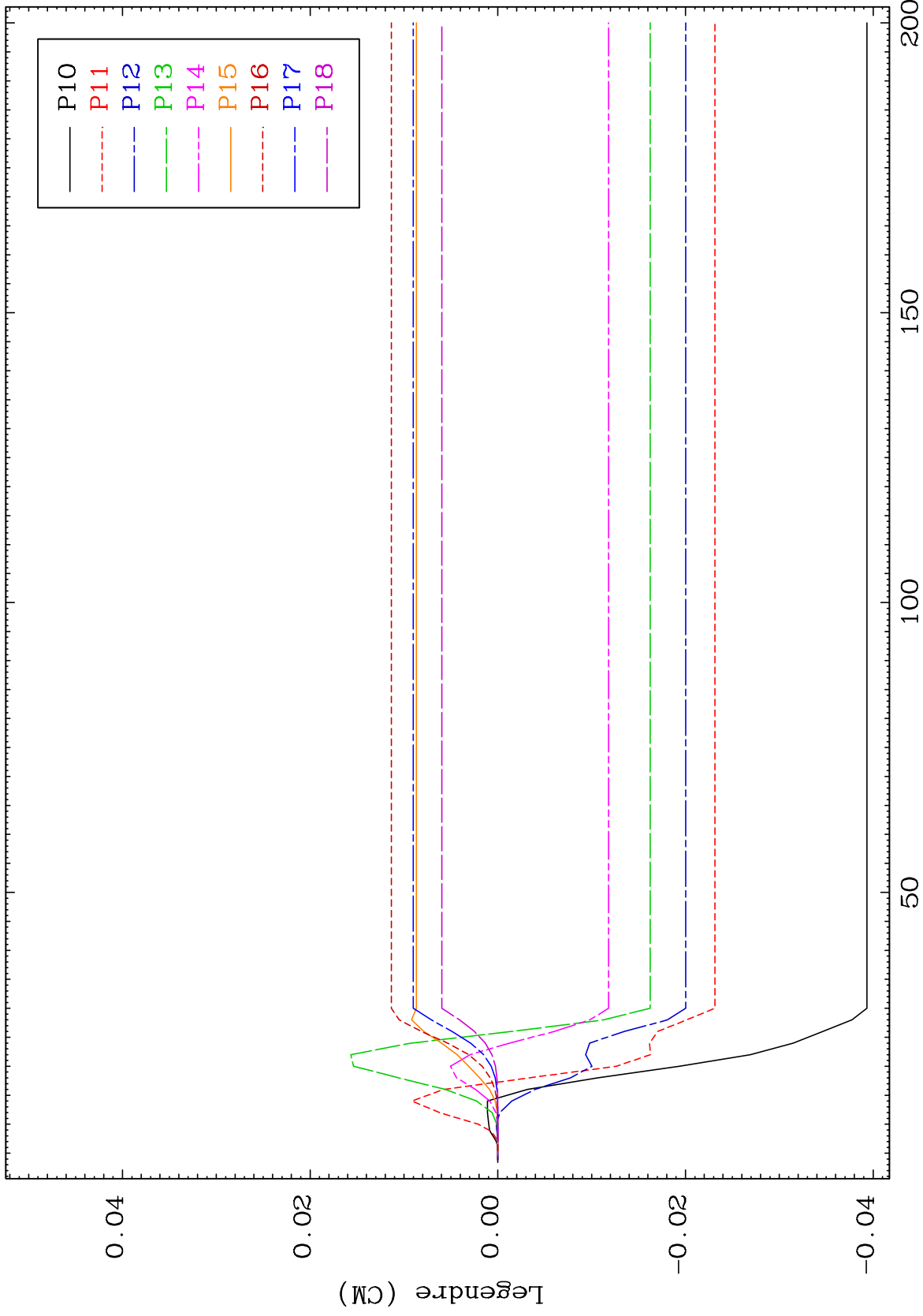
112

41-Nb-97

MAT 4137

MT= 74 (n,n') Level
Legendre Coefficients

41-Nb-97



113

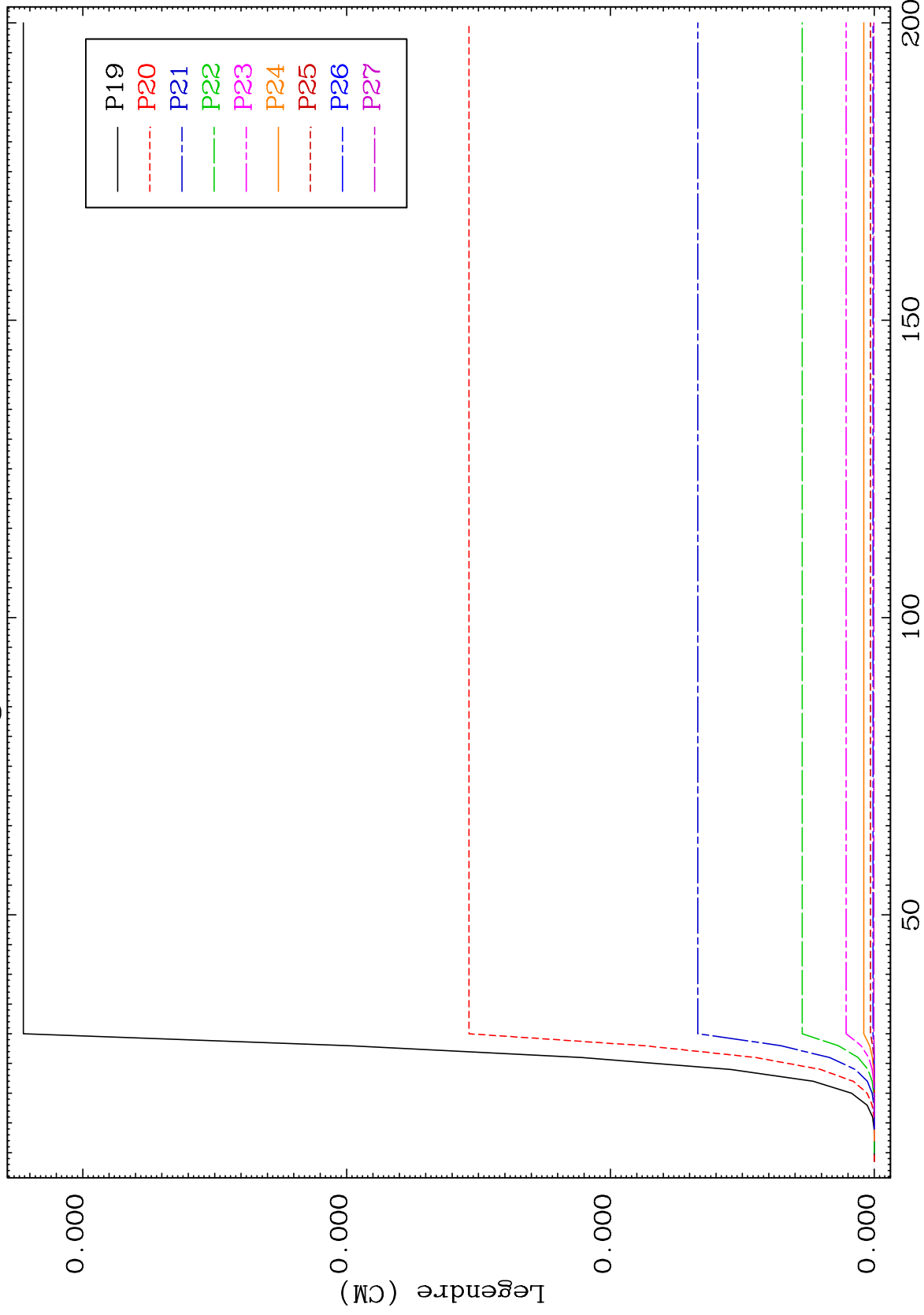
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 74 (n,n') Level
Legendre Coefficients

41-Nb-97



114

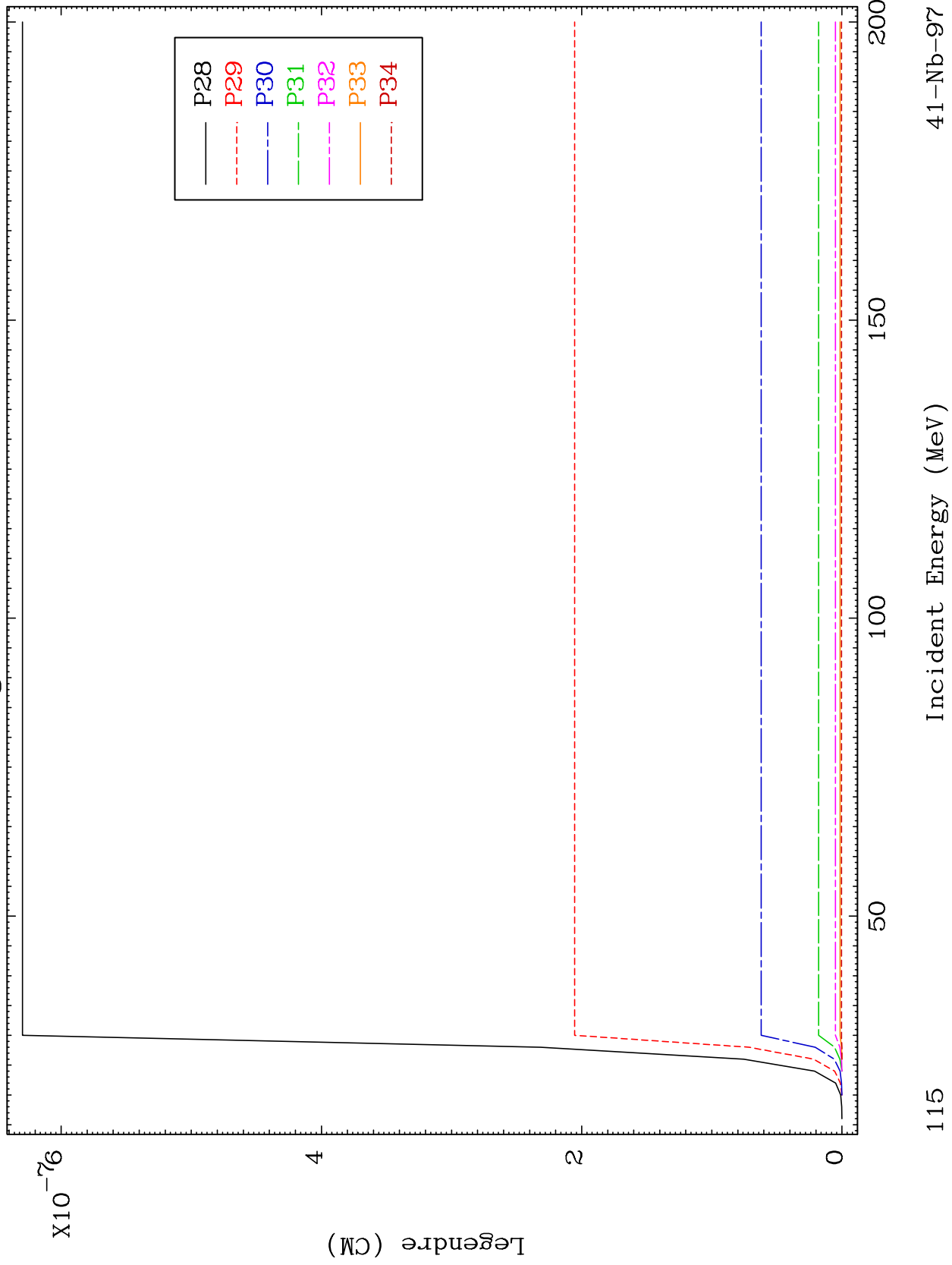
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 74 (n,n') Level
Legendre Coefficients

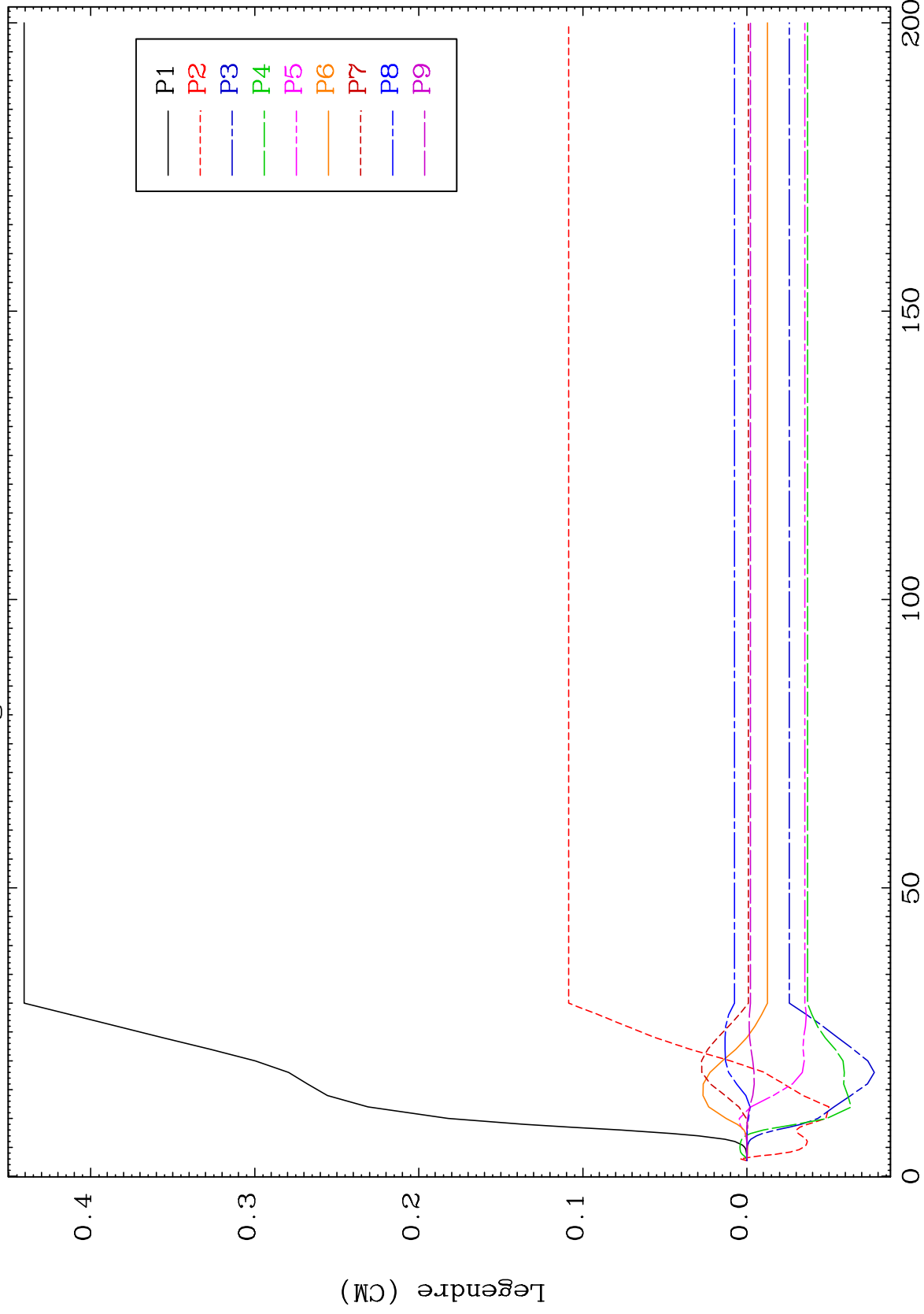
41-Nb-97



MAT 4137

MT= 75 (n,n') Level
Legendre Coefficients

41-Nb-97



116

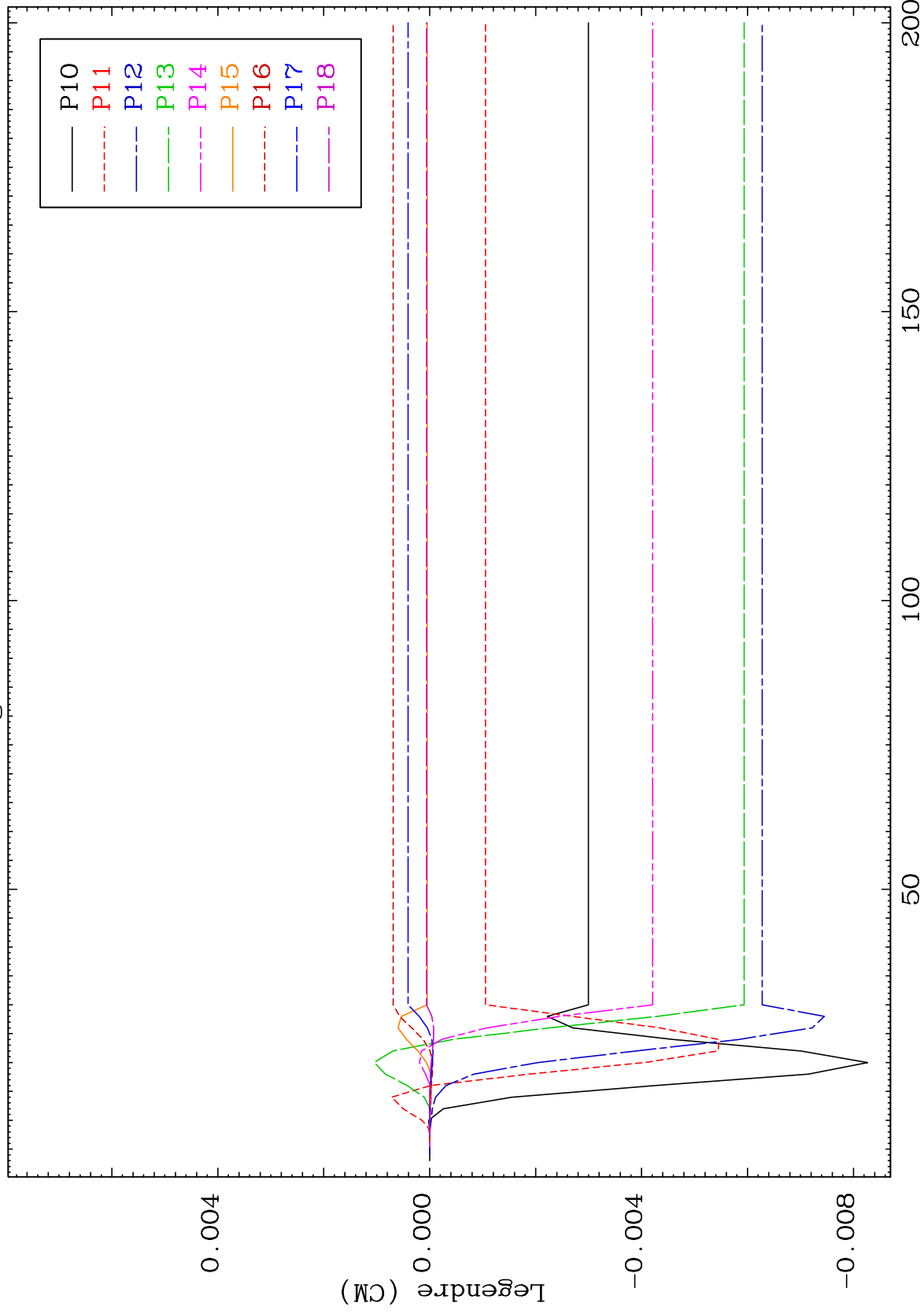
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 75 (n,n') Level
Legendre Coefficients

41-Nb-97



117

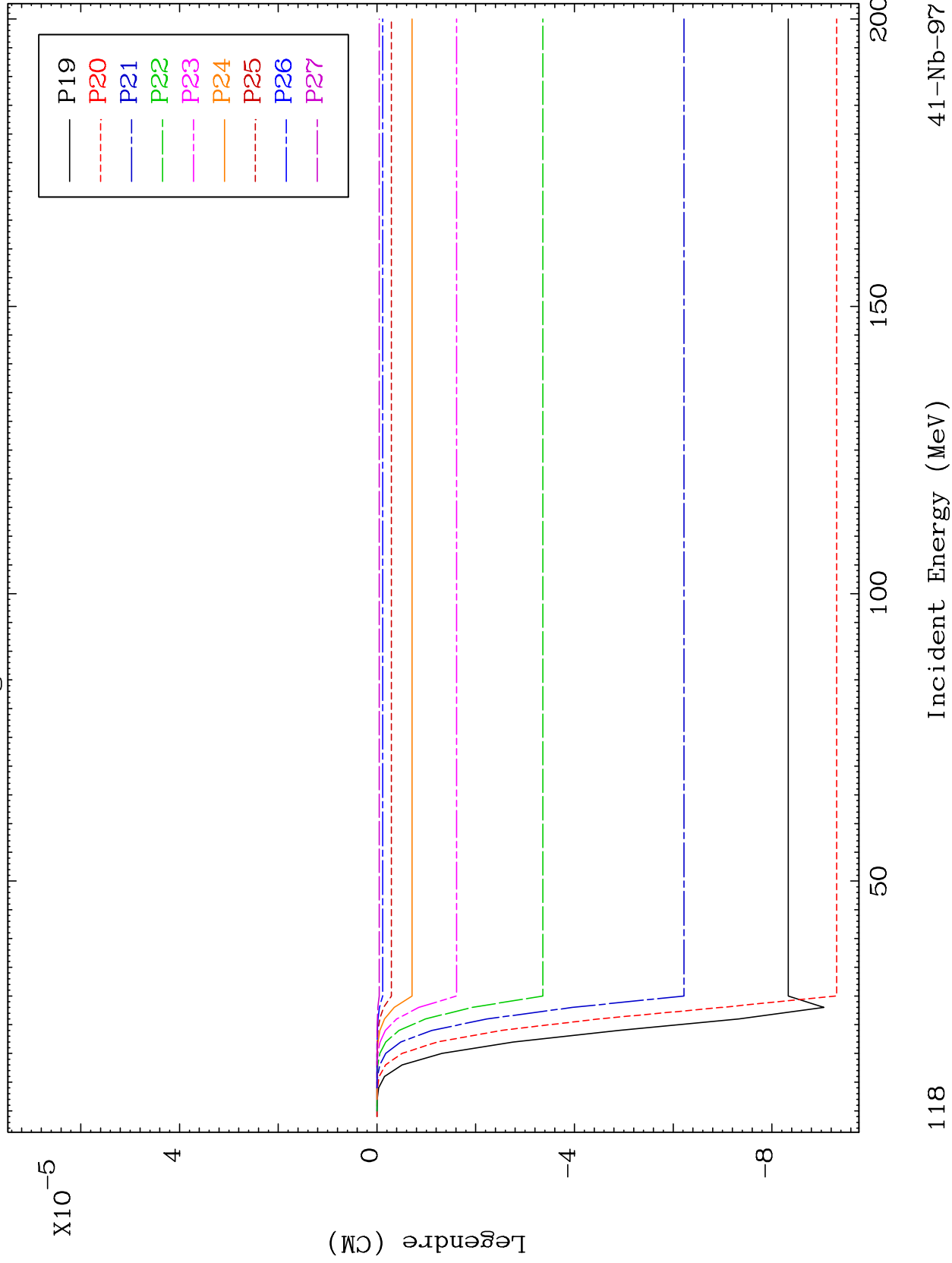
Incident Energy (MeV)

41-Nb-97

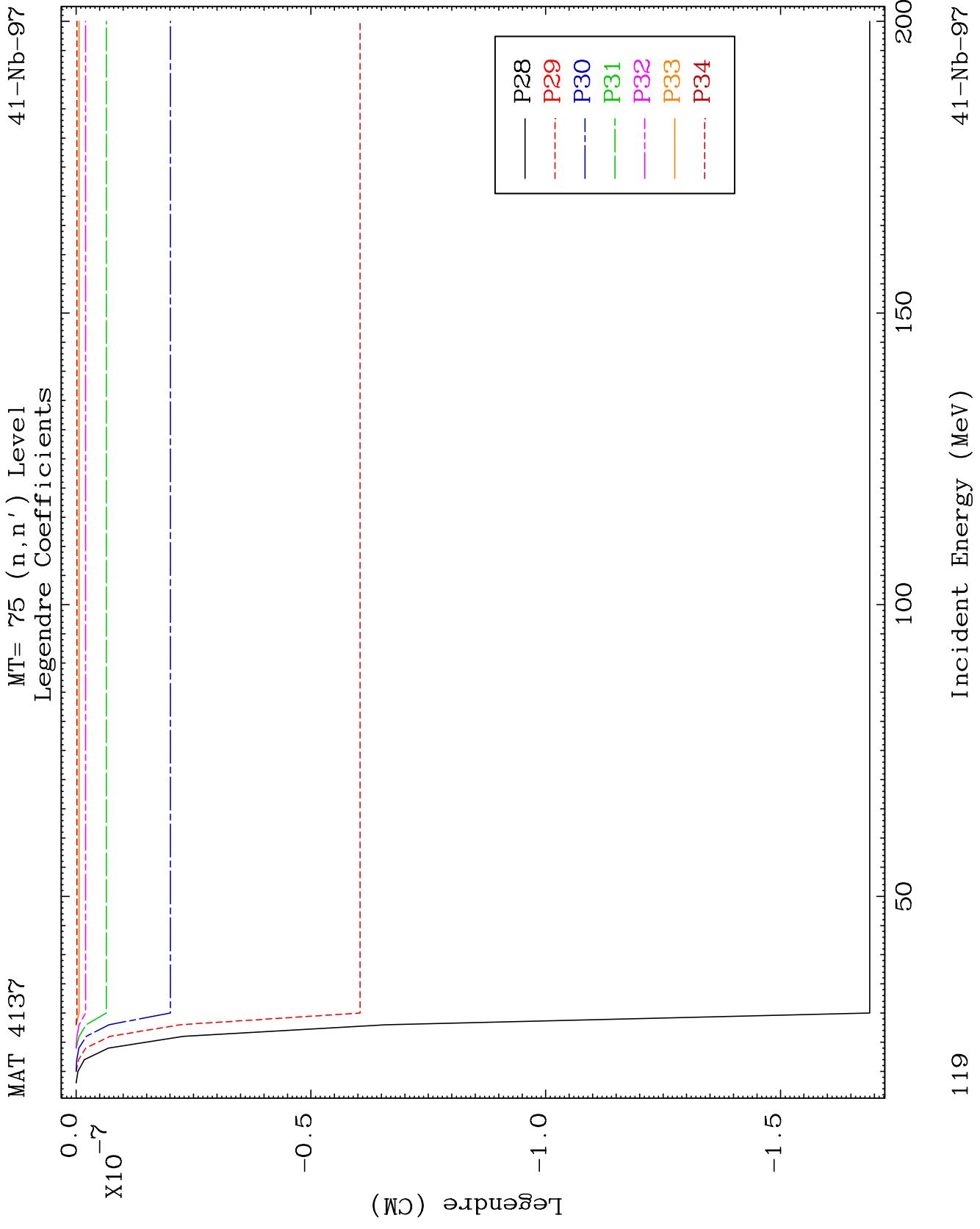
MAT 4137

MT= 75 (n,n') Level
Legendre Coefficients

41-Nb-97



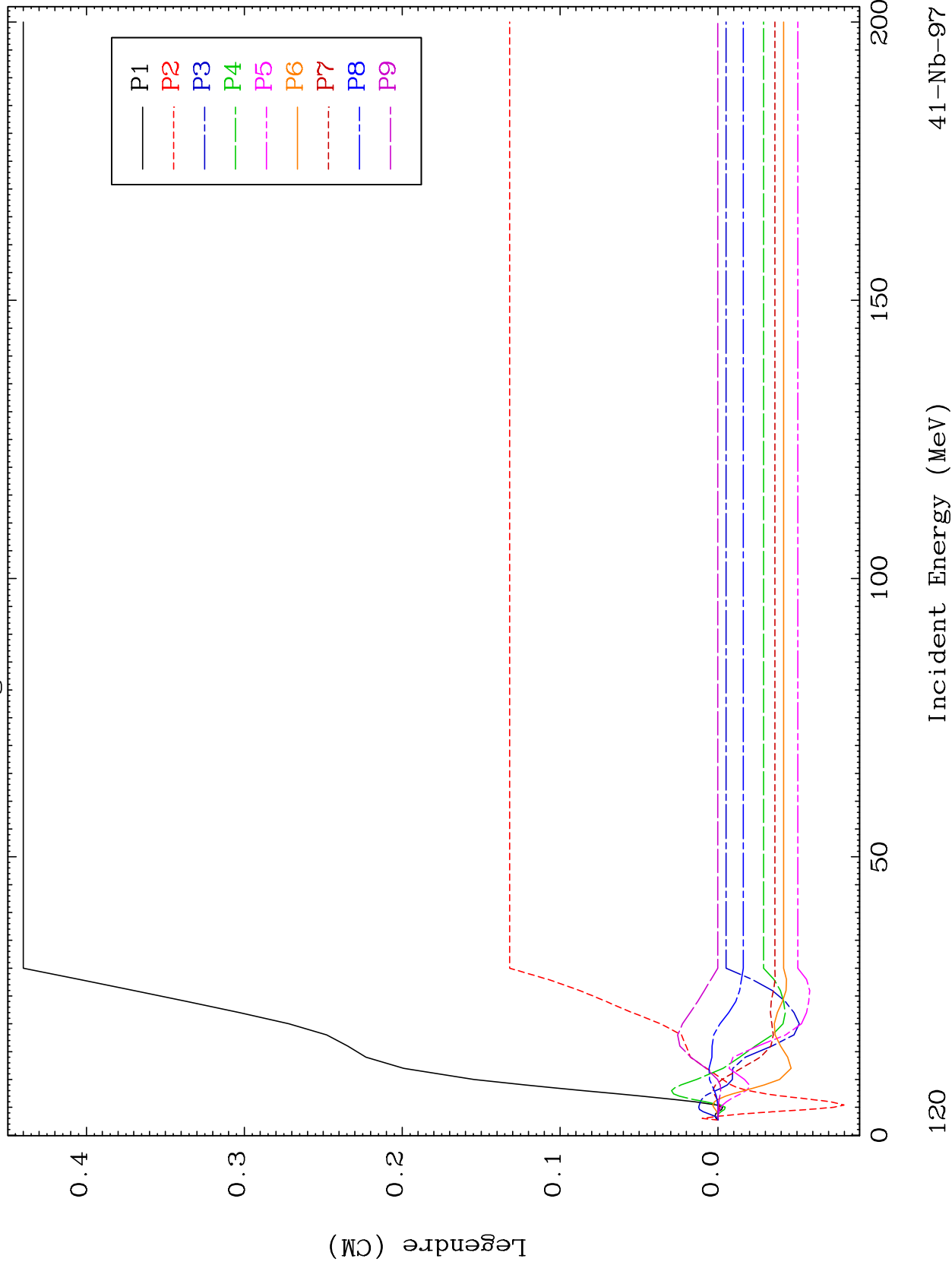
118



MAT 4137

MT= 76 (n,n') Level
Legendre Coefficients

41-Nb-97



41-Nb-97

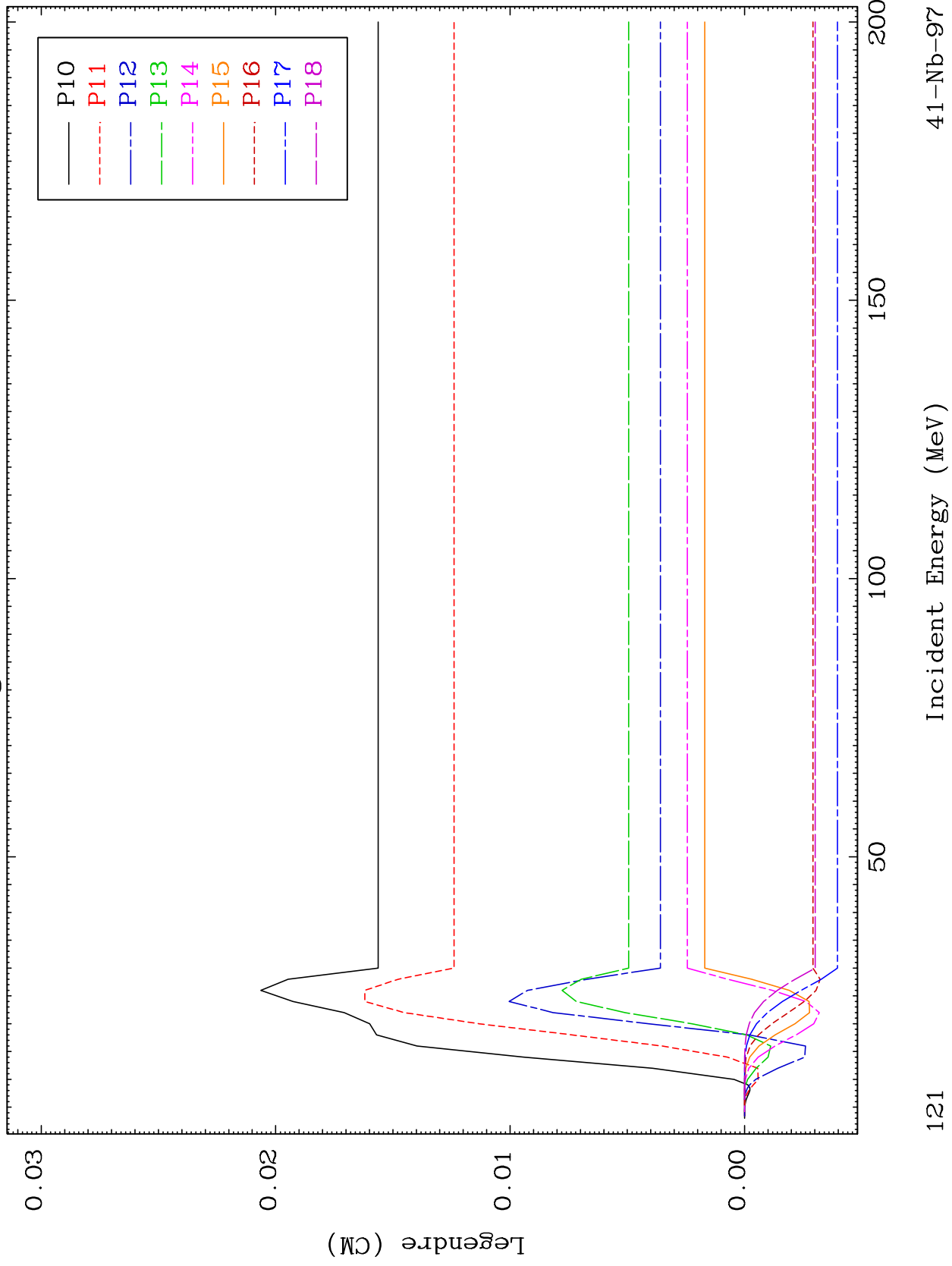
Incident Energy (MeV)

Legendre (CM)

MAT 4137

MT= 76 (n,n') Level
Legendre Coefficients

41-Nb-97



121

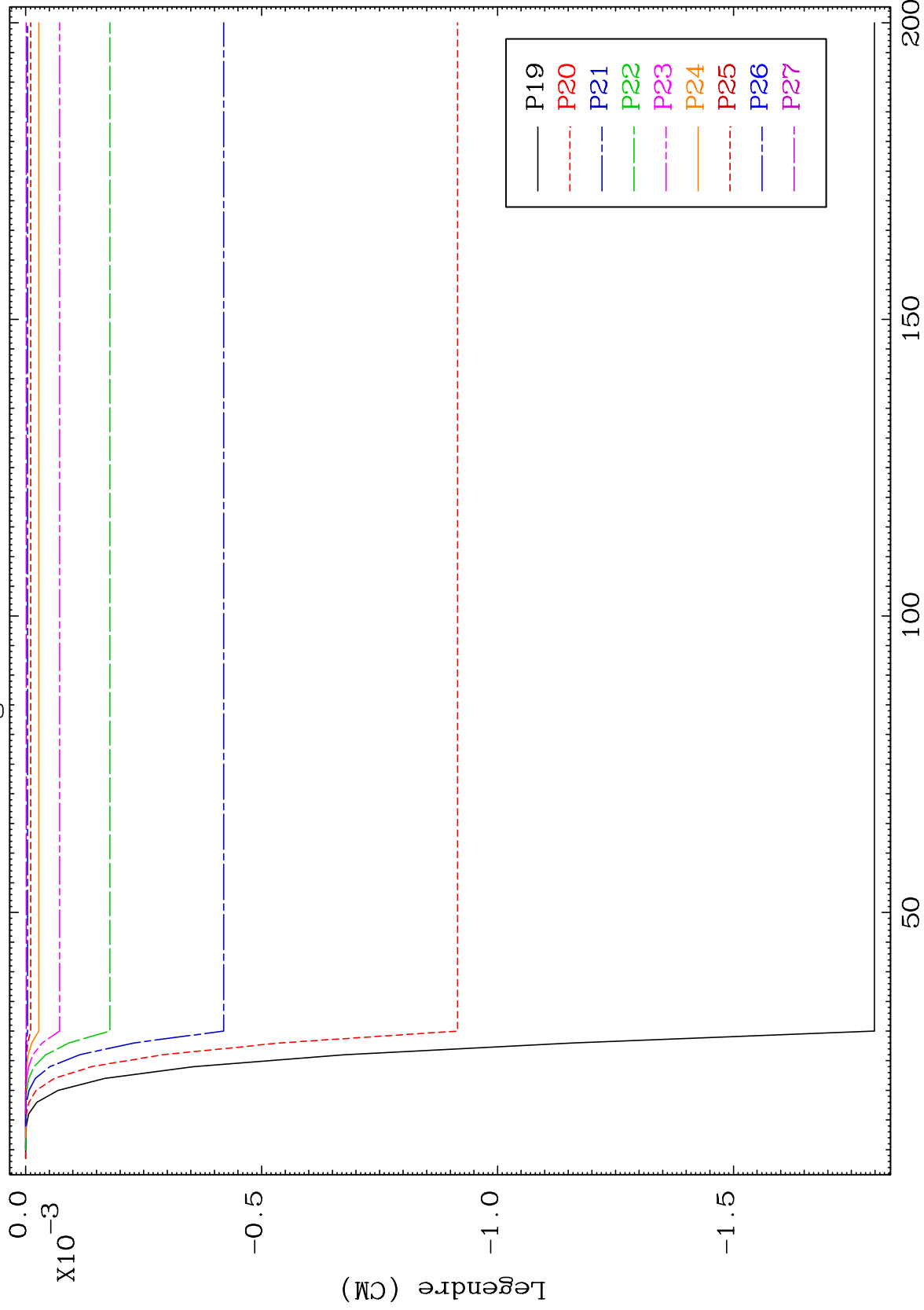
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 76 (n,n') Level
Legendre Coefficients

41-Nb-97



122

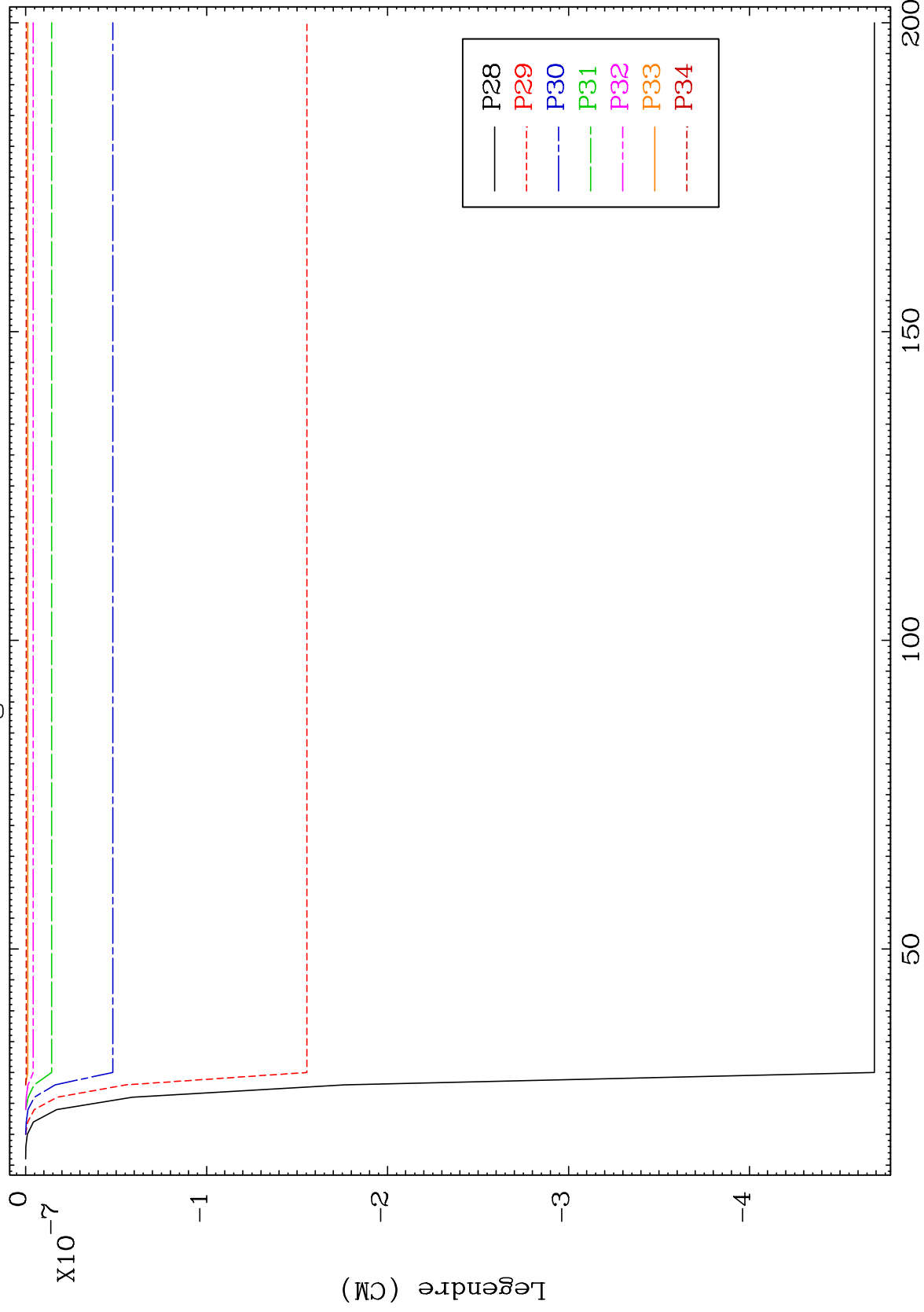
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 76 (n,n') Level
Legendre Coefficients

41-Nb-97



123

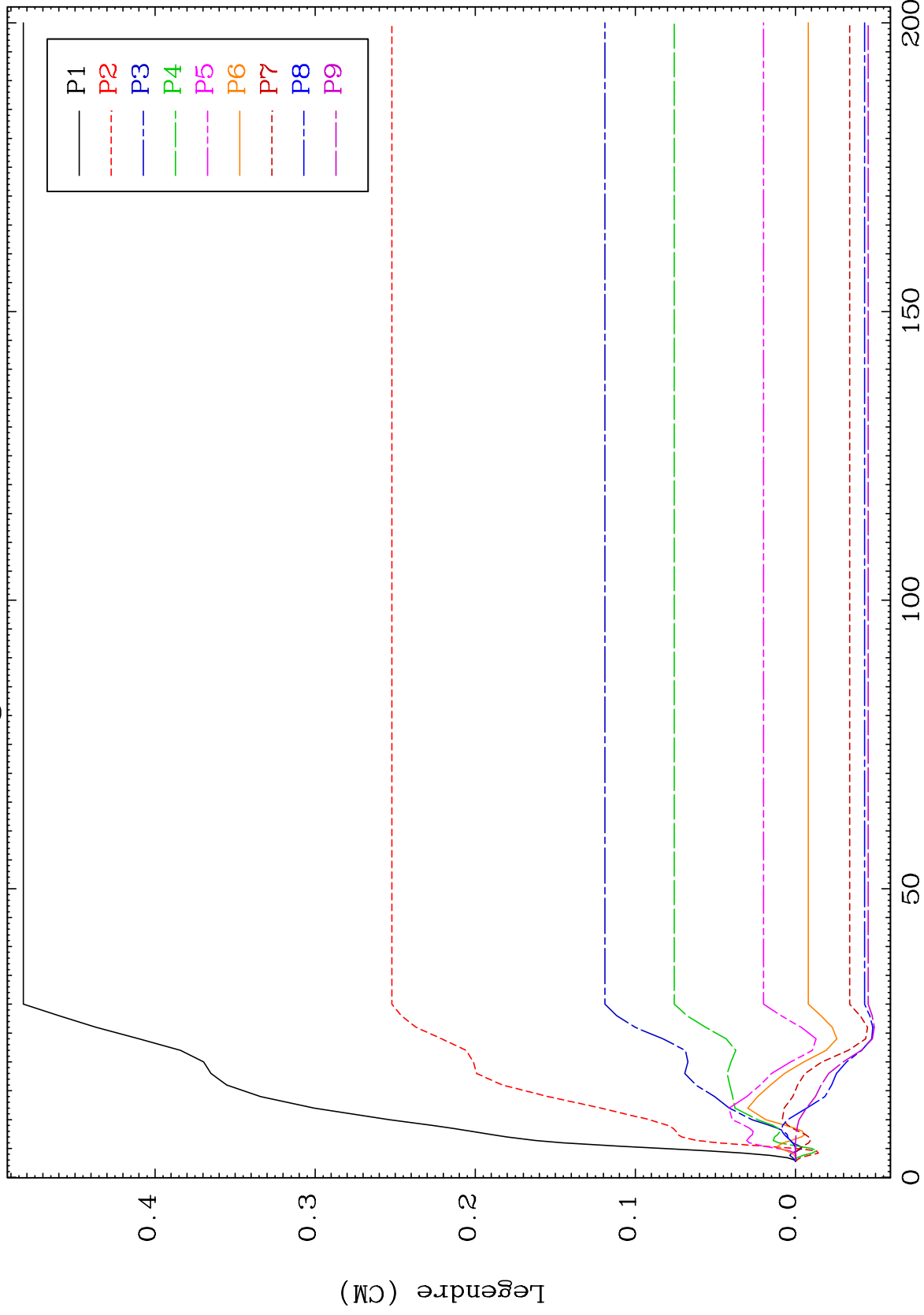
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 77 (n,n') Level
Legendre Coefficients

41-Nb-97



124

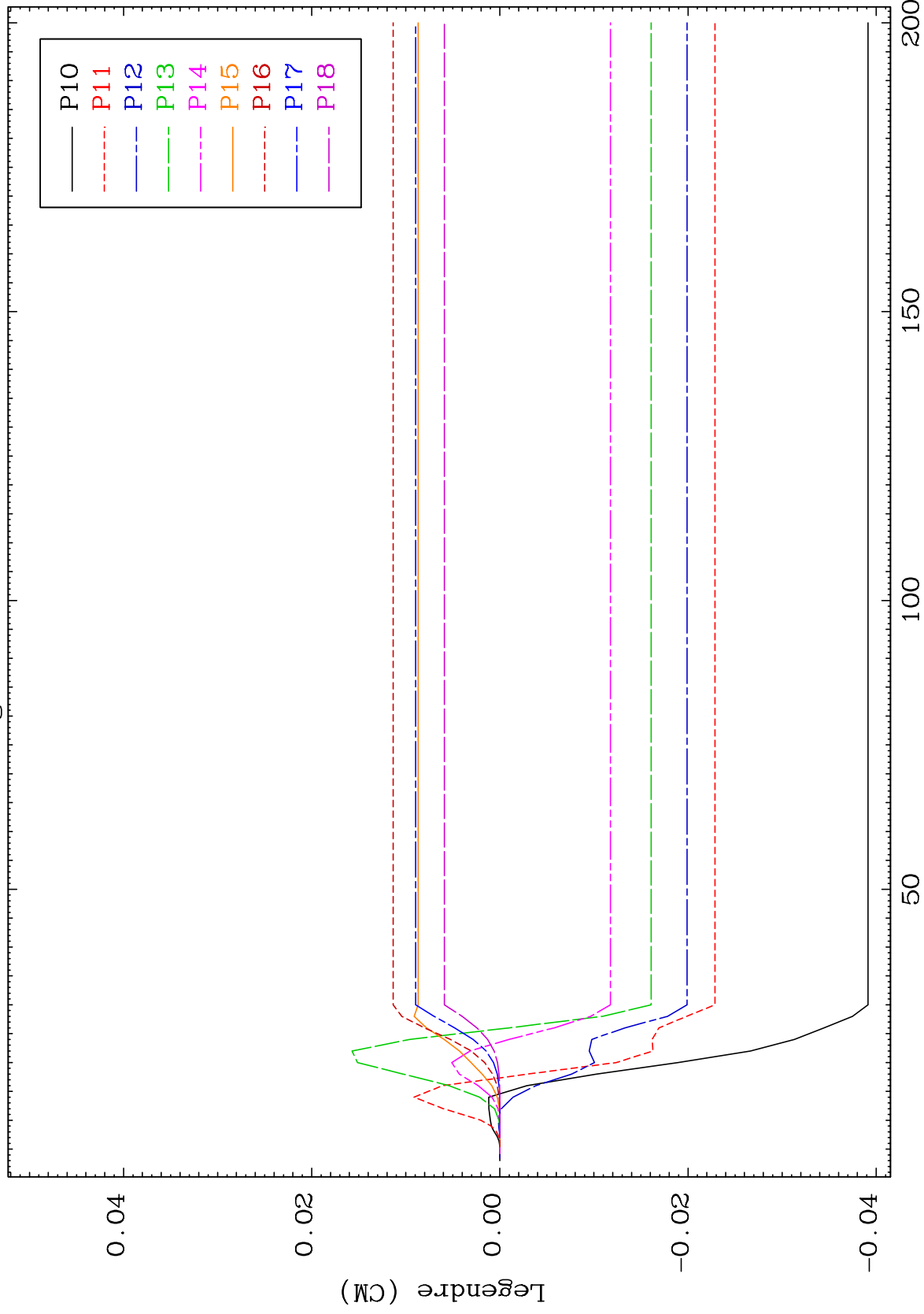
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 77 (n,n') Level
Legendre Coefficients

41-Nb-97



125

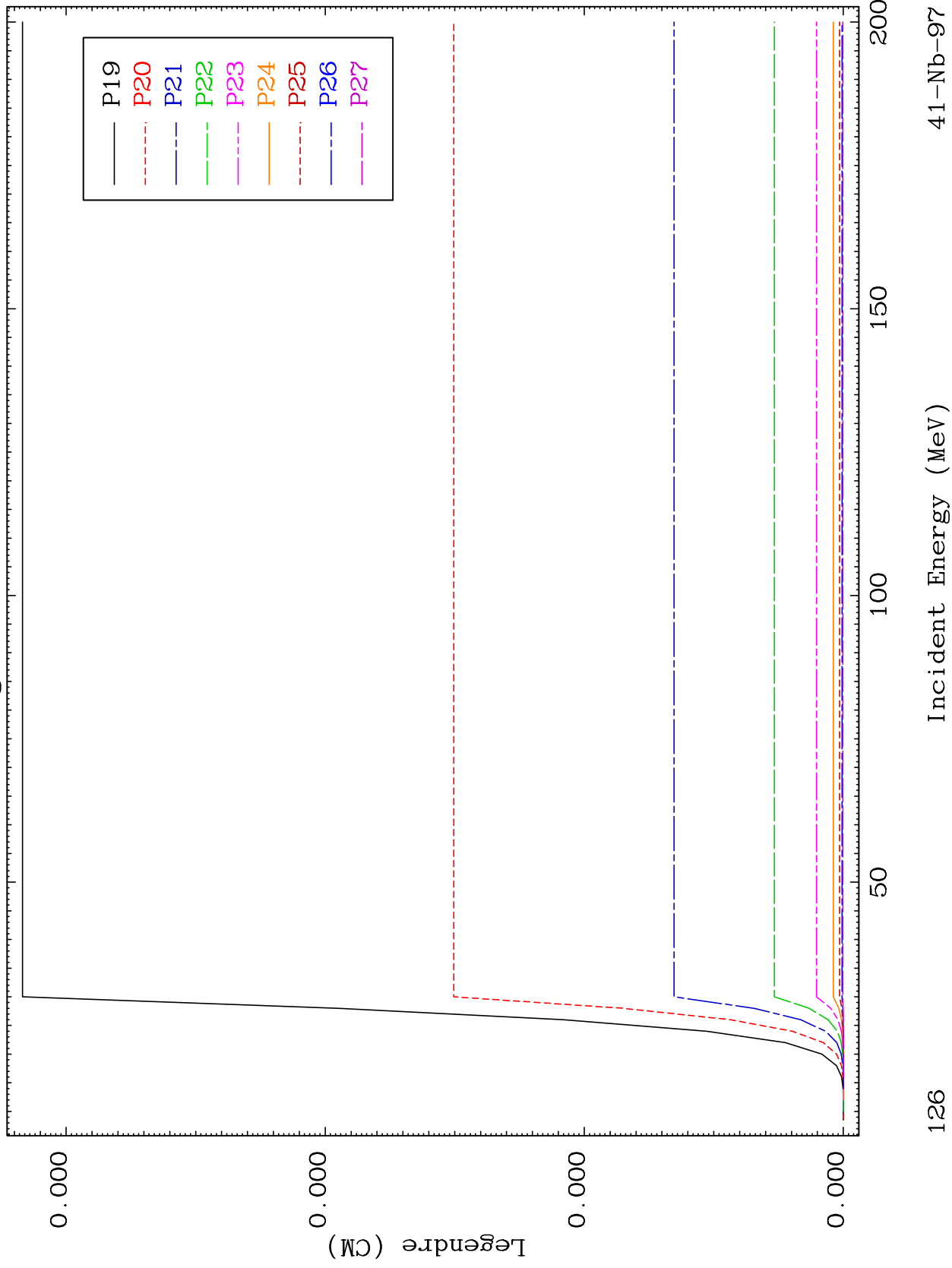
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 77 (n,n') Level
Legendre Coefficients

41-Nb-97



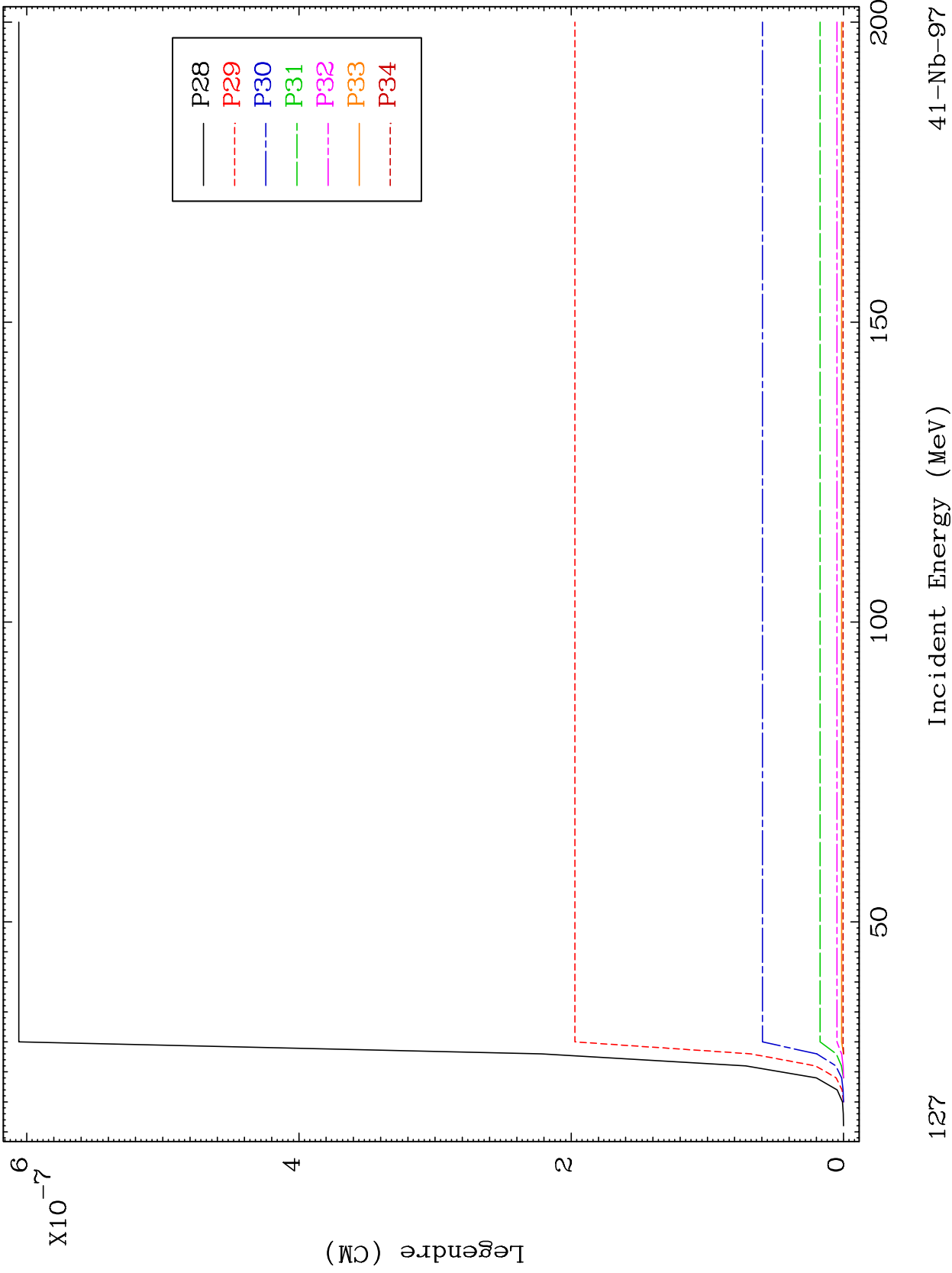
126

41-Nb-97

MAT 4137

MT= 77 (n,n') Level
Legendre Coefficients

41-Nb-97



127

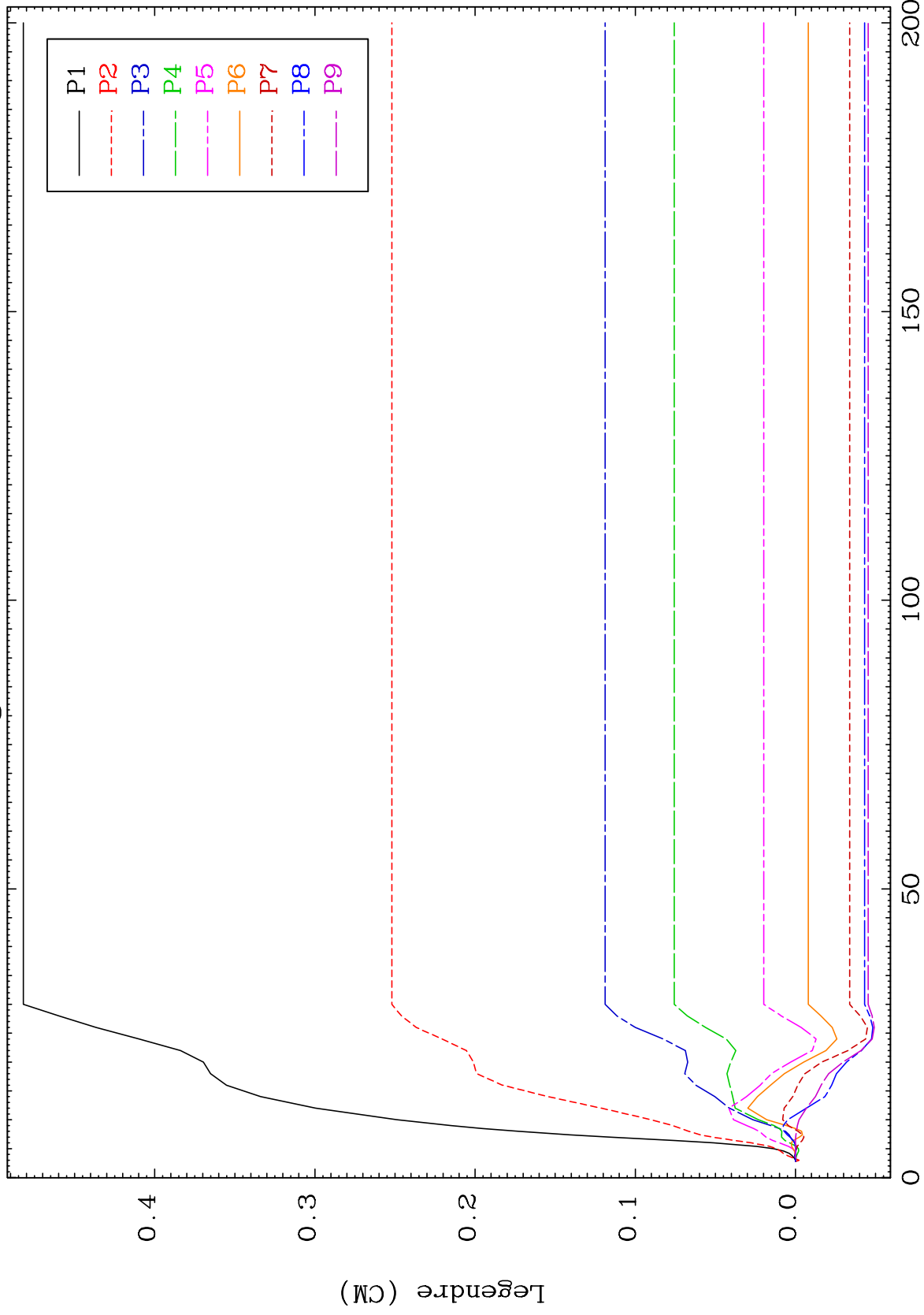
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 78 (n,n') Level
Legendre Coefficients

41-Nb-97



128

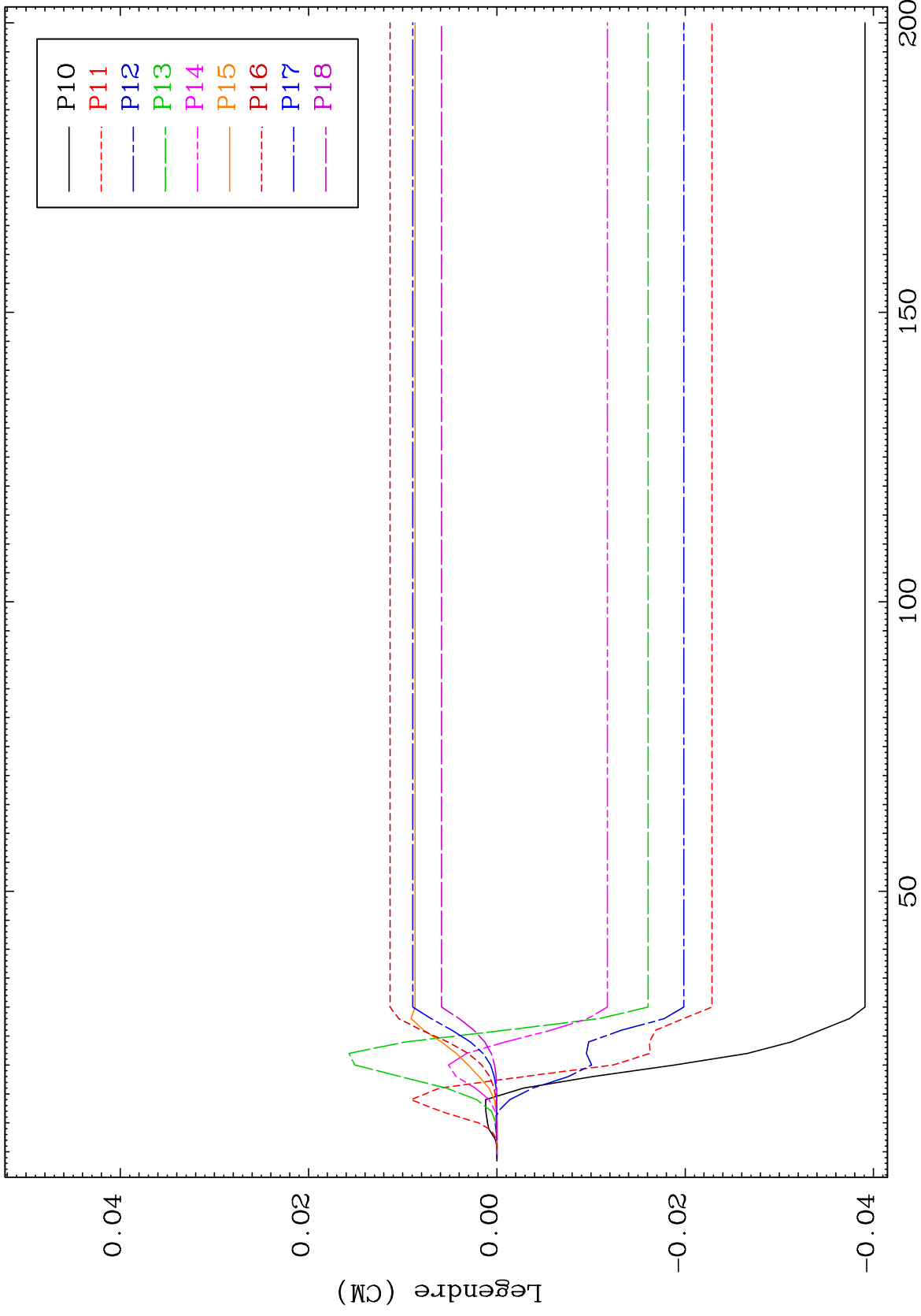
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 78 (n,n') Level
Legendre Coefficients

41-Nb-97



129

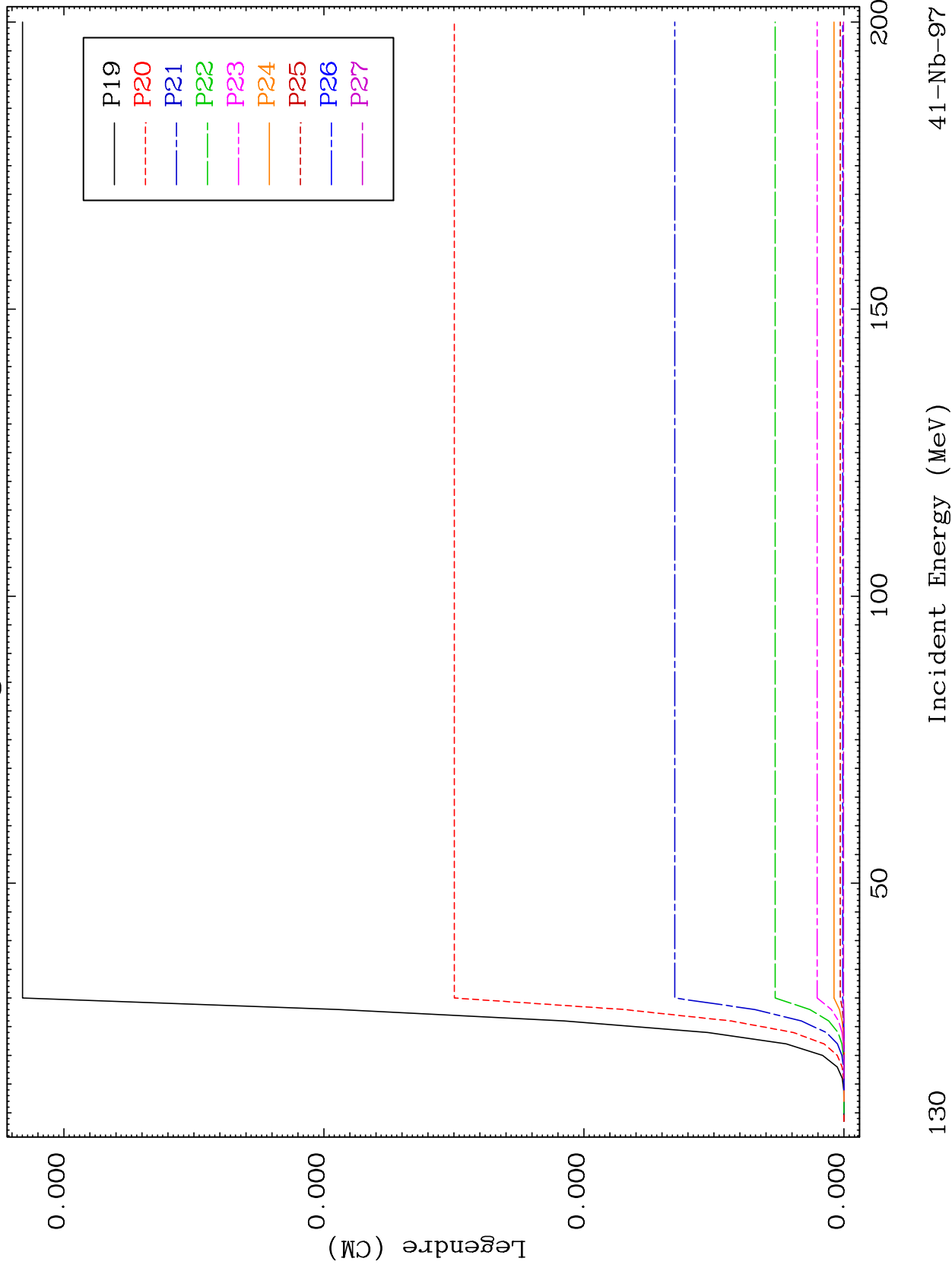
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 78 (n,n') Level
Legendre Coefficients

41-Nb-97

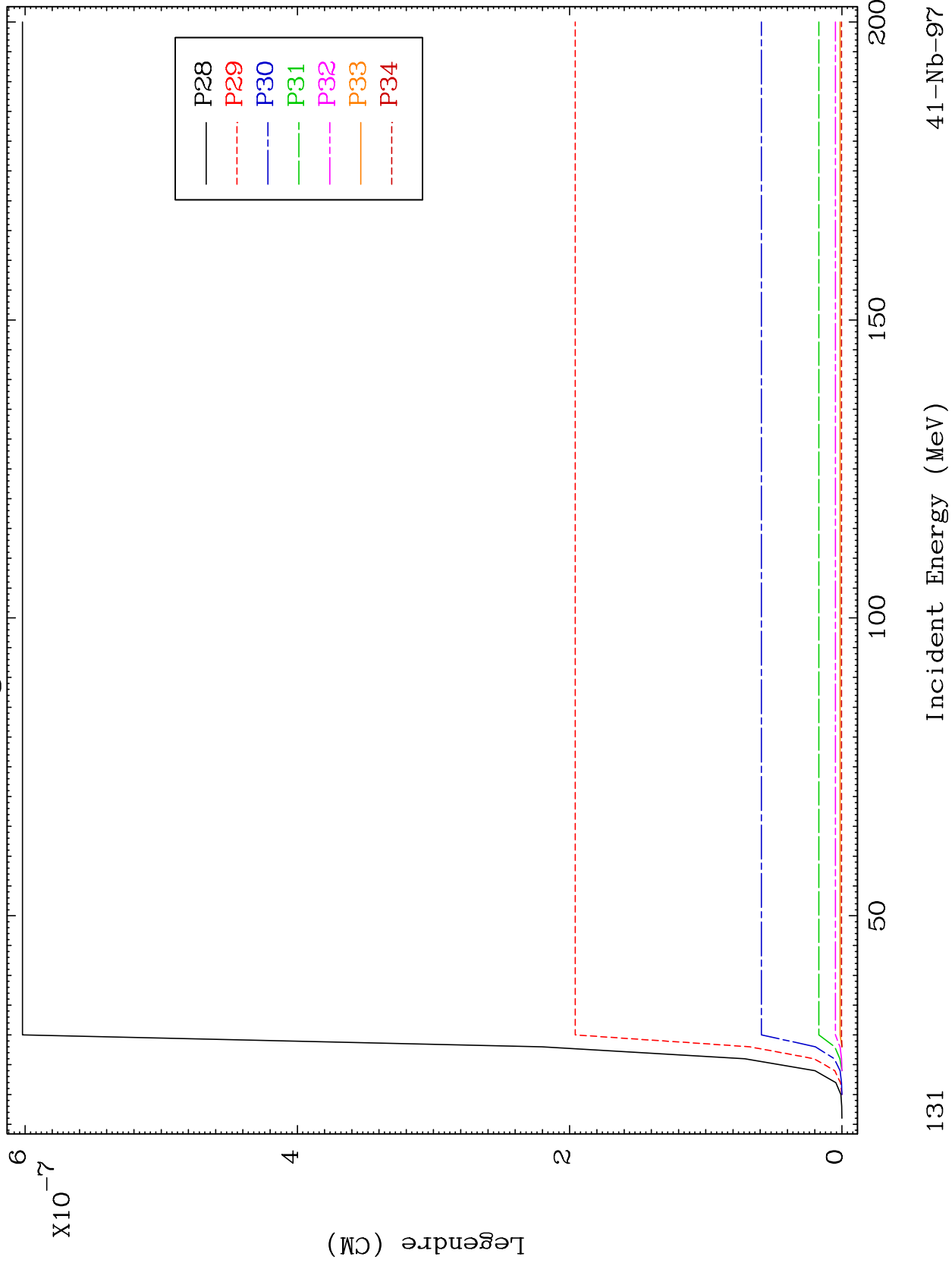


130

MAT 4137

MT= 78 (n,n') Level
Legendre Coefficients

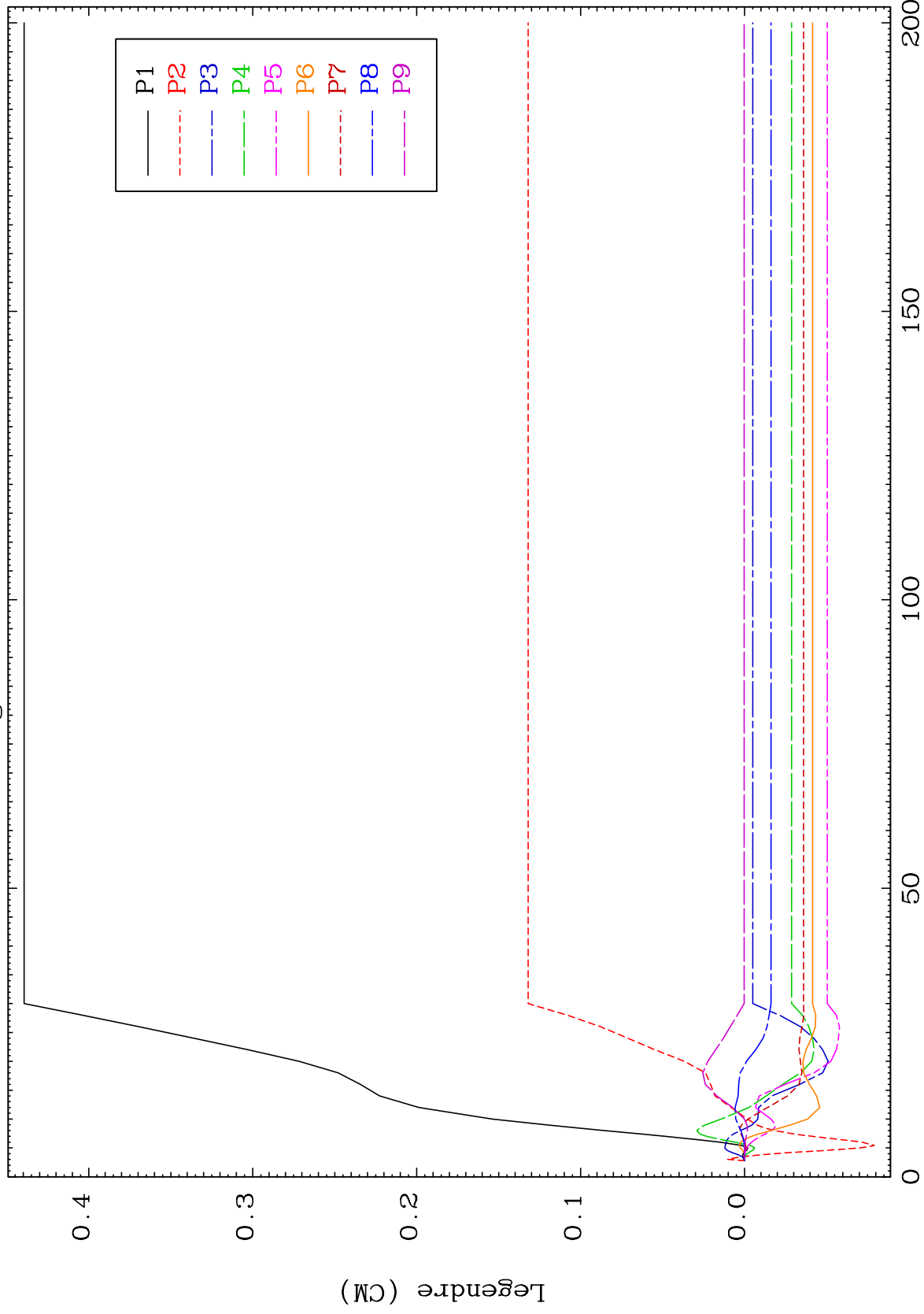
41-Nb-97



MAT 4137

MT= 79 (n,n') Level
Legendre Coefficients

41-Nb-97



132

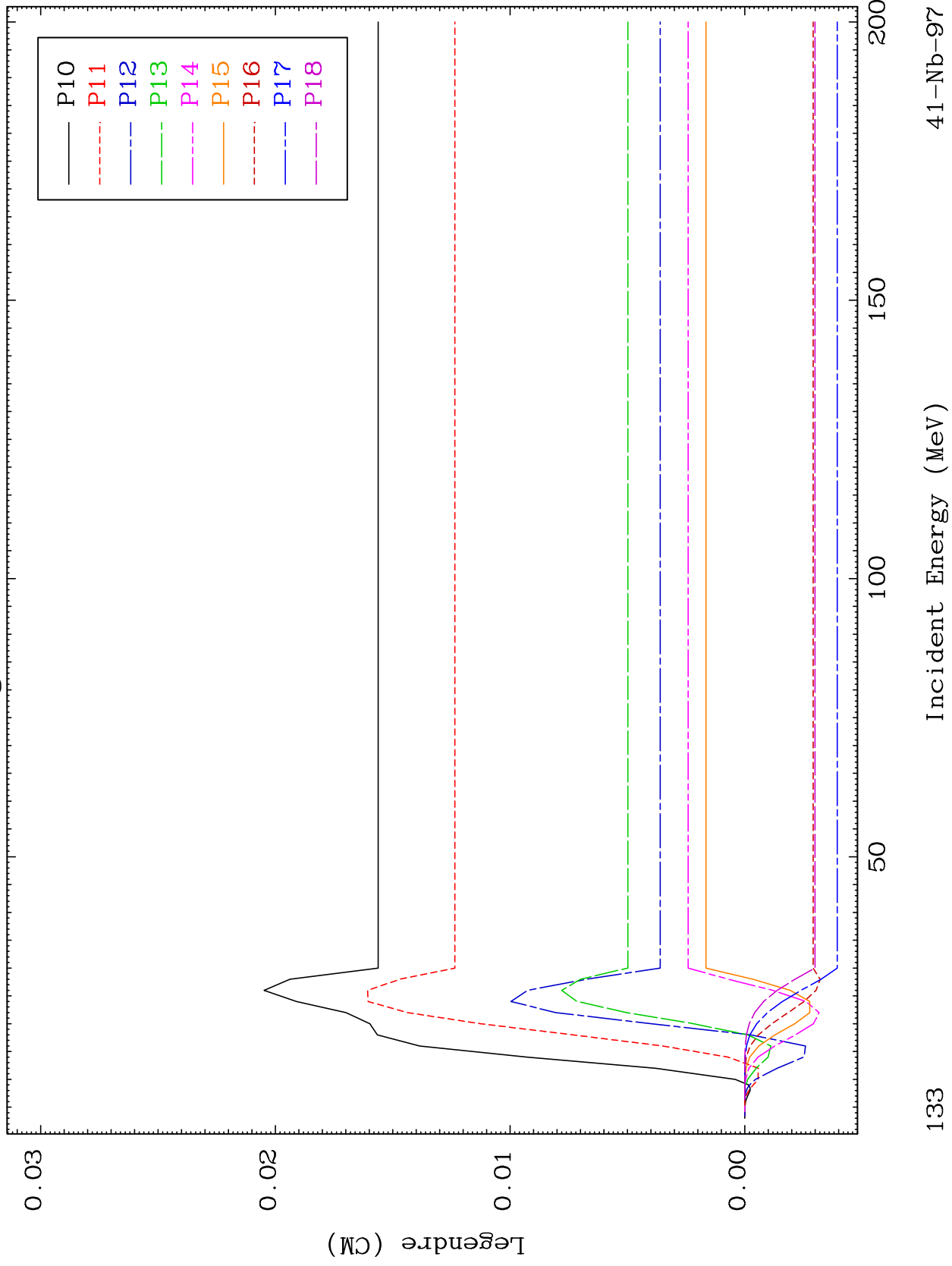
Incident Energy (MeV)

41-Nb-97

MAT 4137

MT= 79 (n,n') Level
Legendre Coefficients

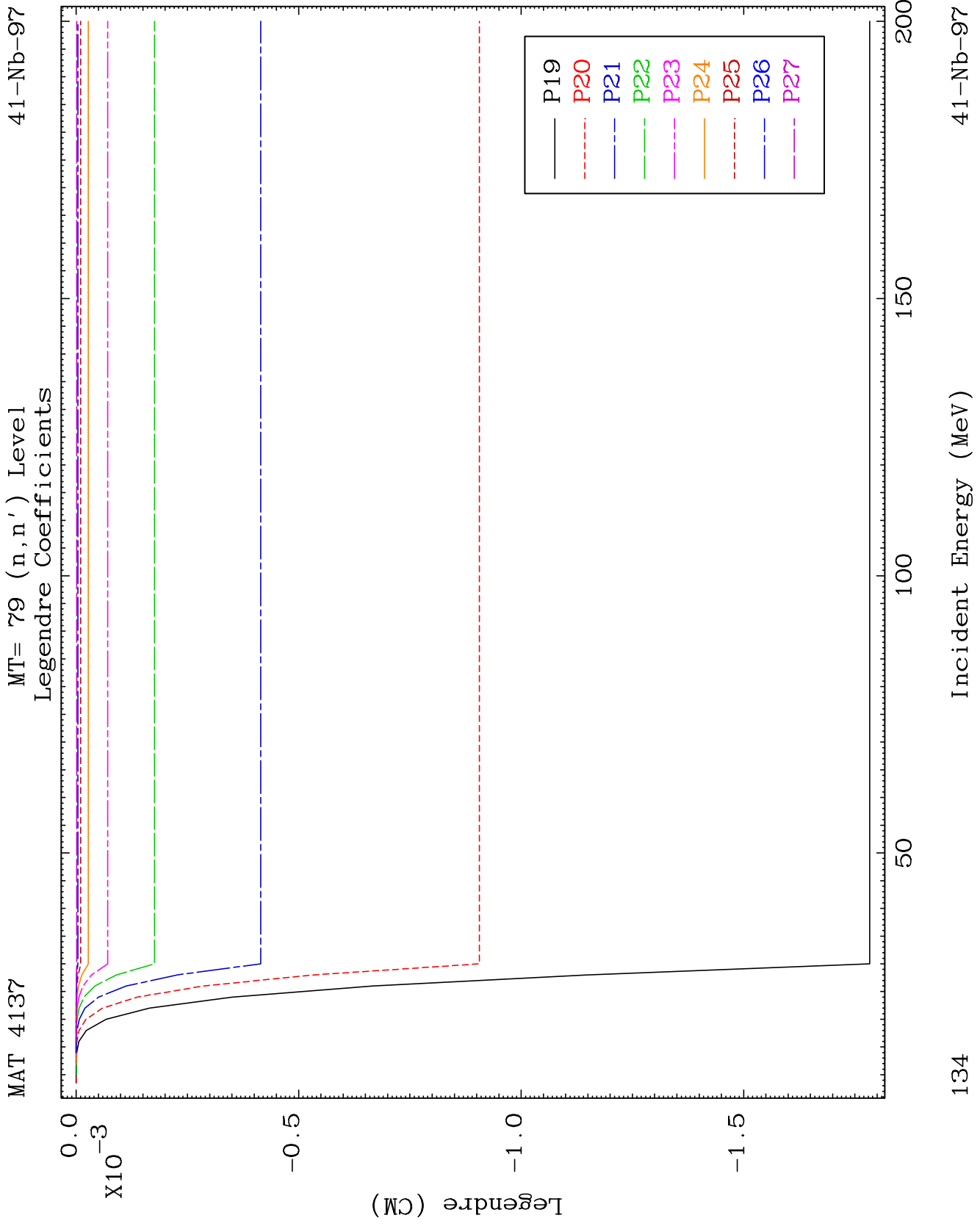
41-Nb-97

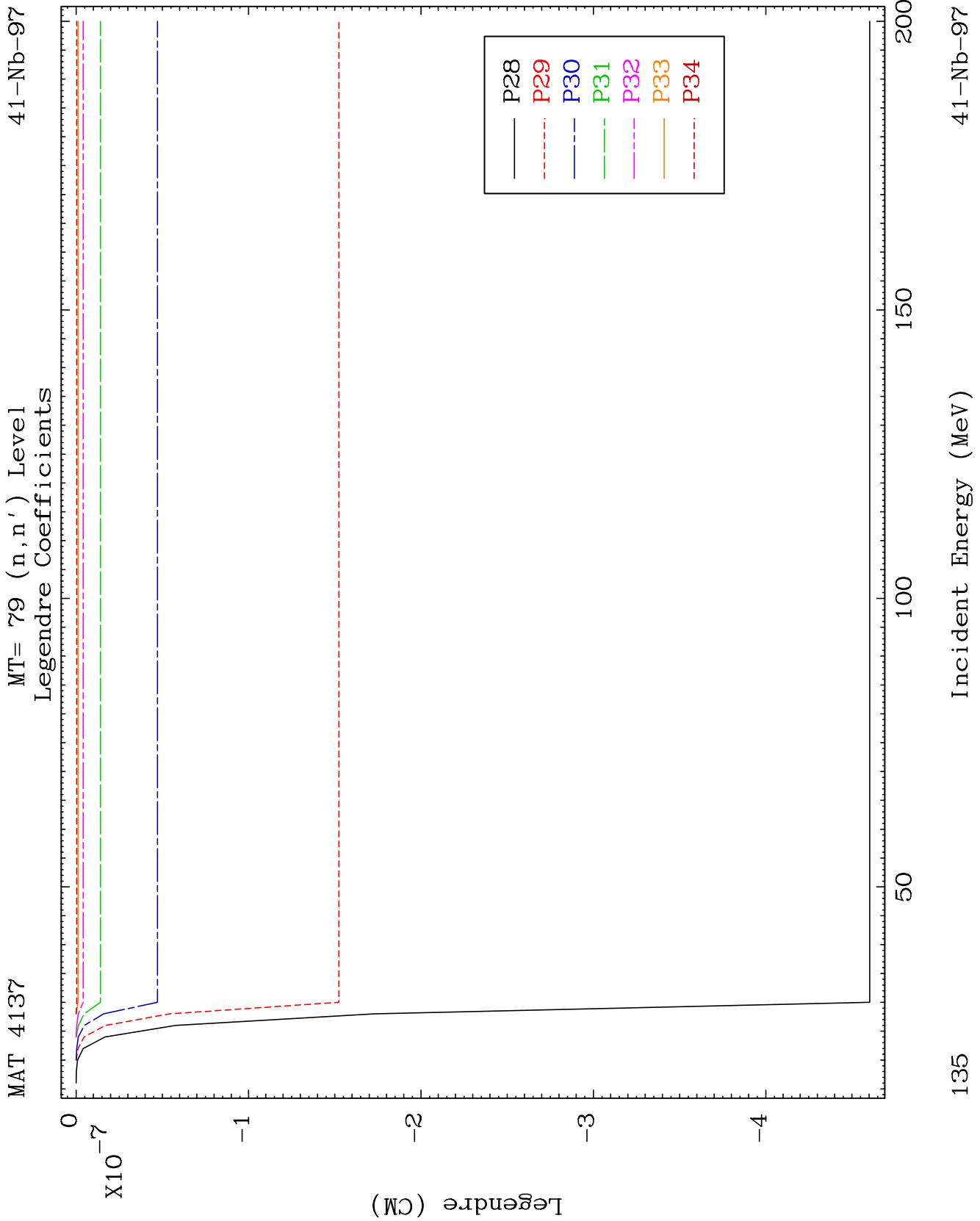


133

Incident Energy (MeV)

41-Nb-97

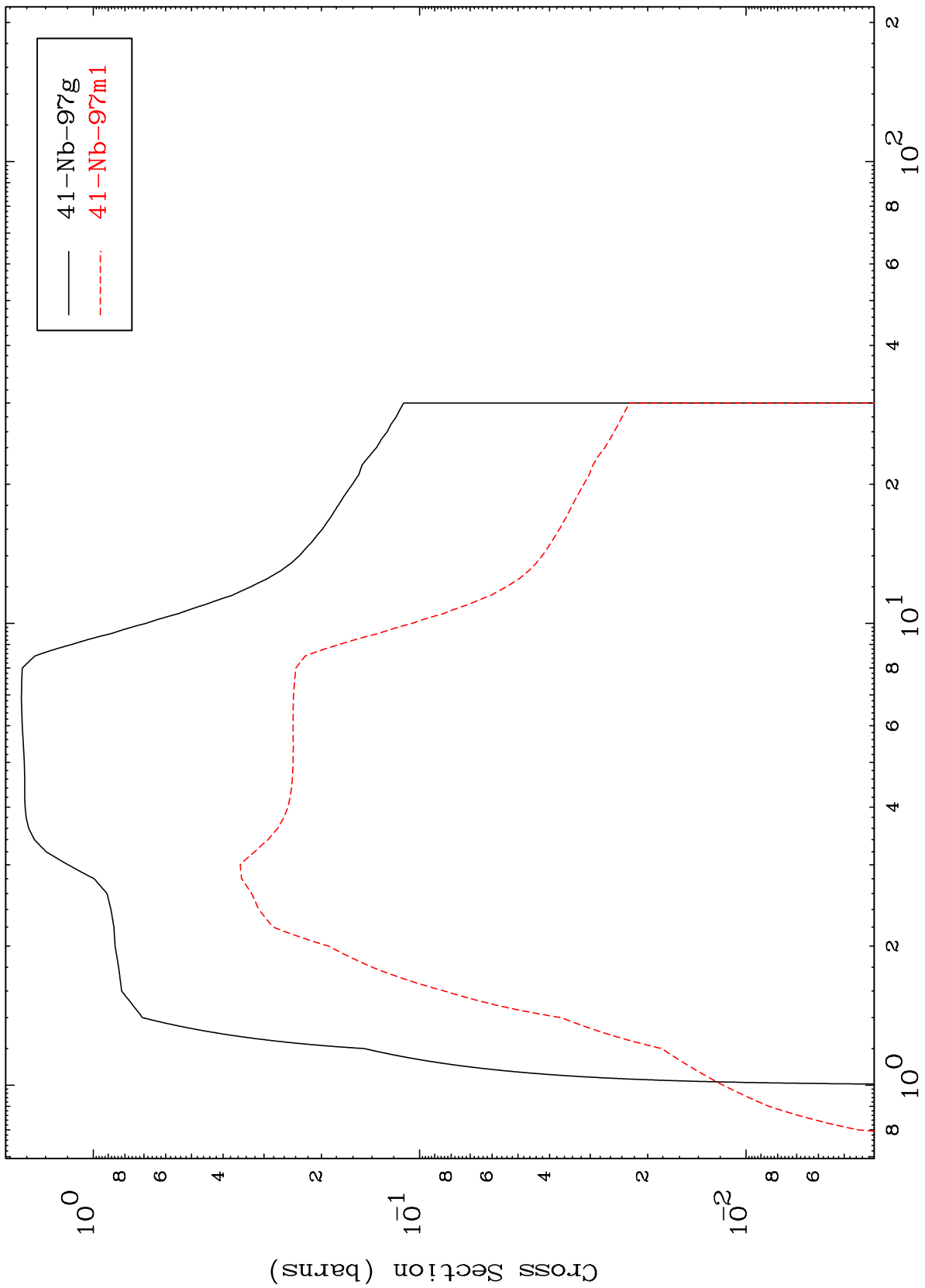




MAT 4137

41-Nb-97

Inelastic
Radionuclide Production Cross Section



136

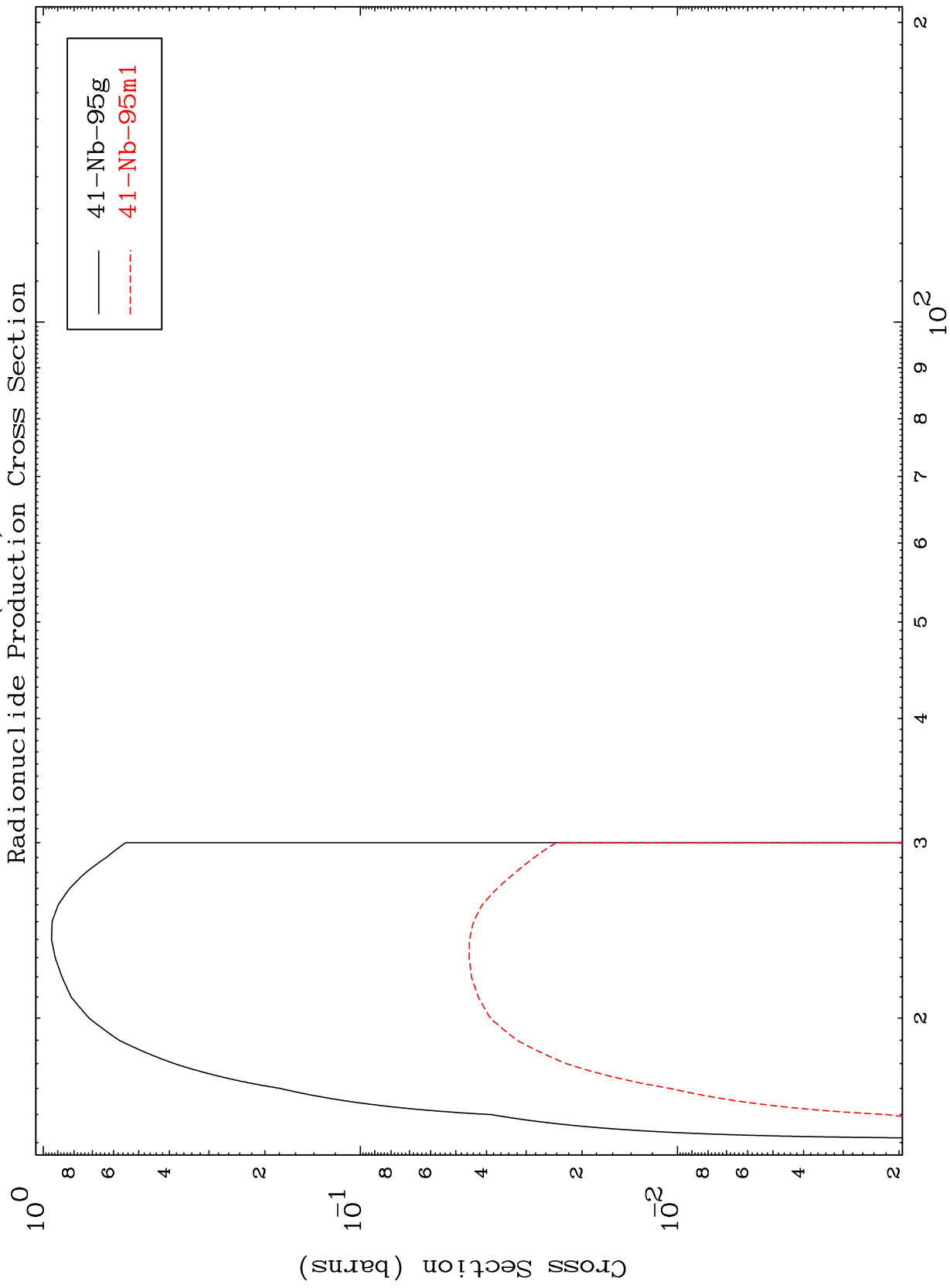
Incident Energy (MeV)

41-Nb-97

MAT 4137

41-Nb-97

(n,3n)
Radionuclide Production Cross Section



137

Incident Energy (MeV)

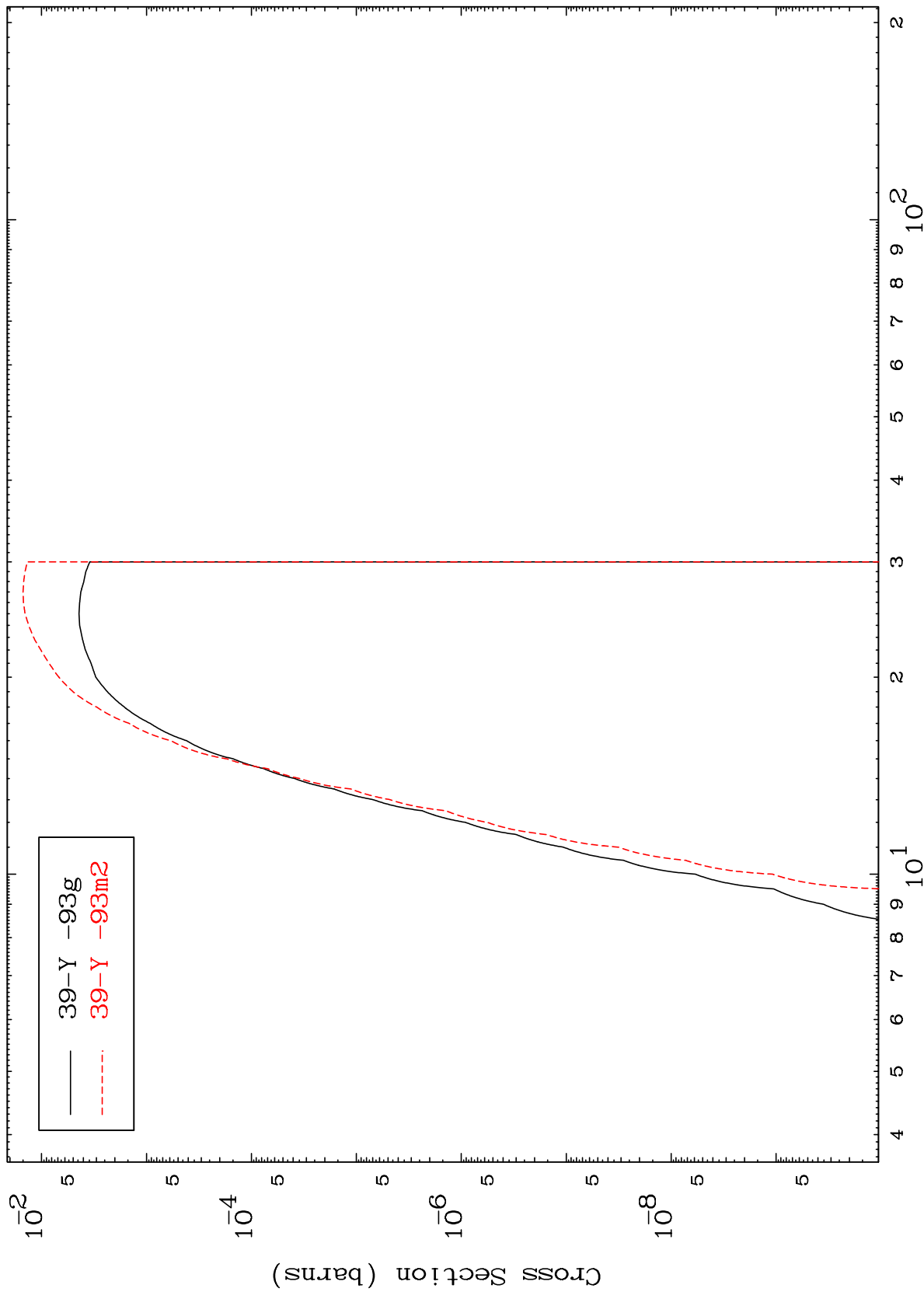
41-Nb-97

MAT 4137

(n,n') α

41-Nb-97

Radionuclide Production Cross Section



138

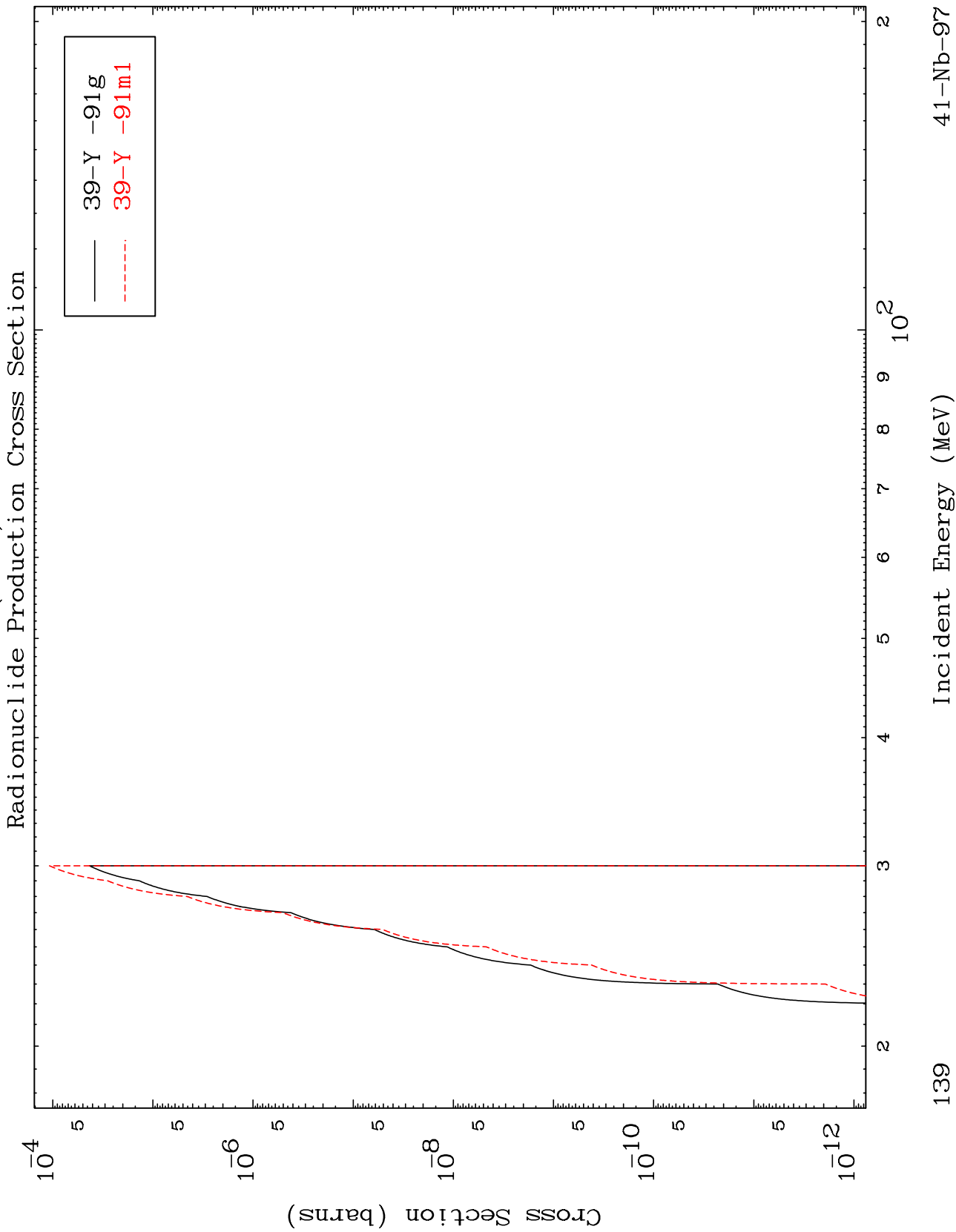
Incident Energy (MeV)

41-Nb-97

MAT 4137

(n,3n) α

41-Nb-97

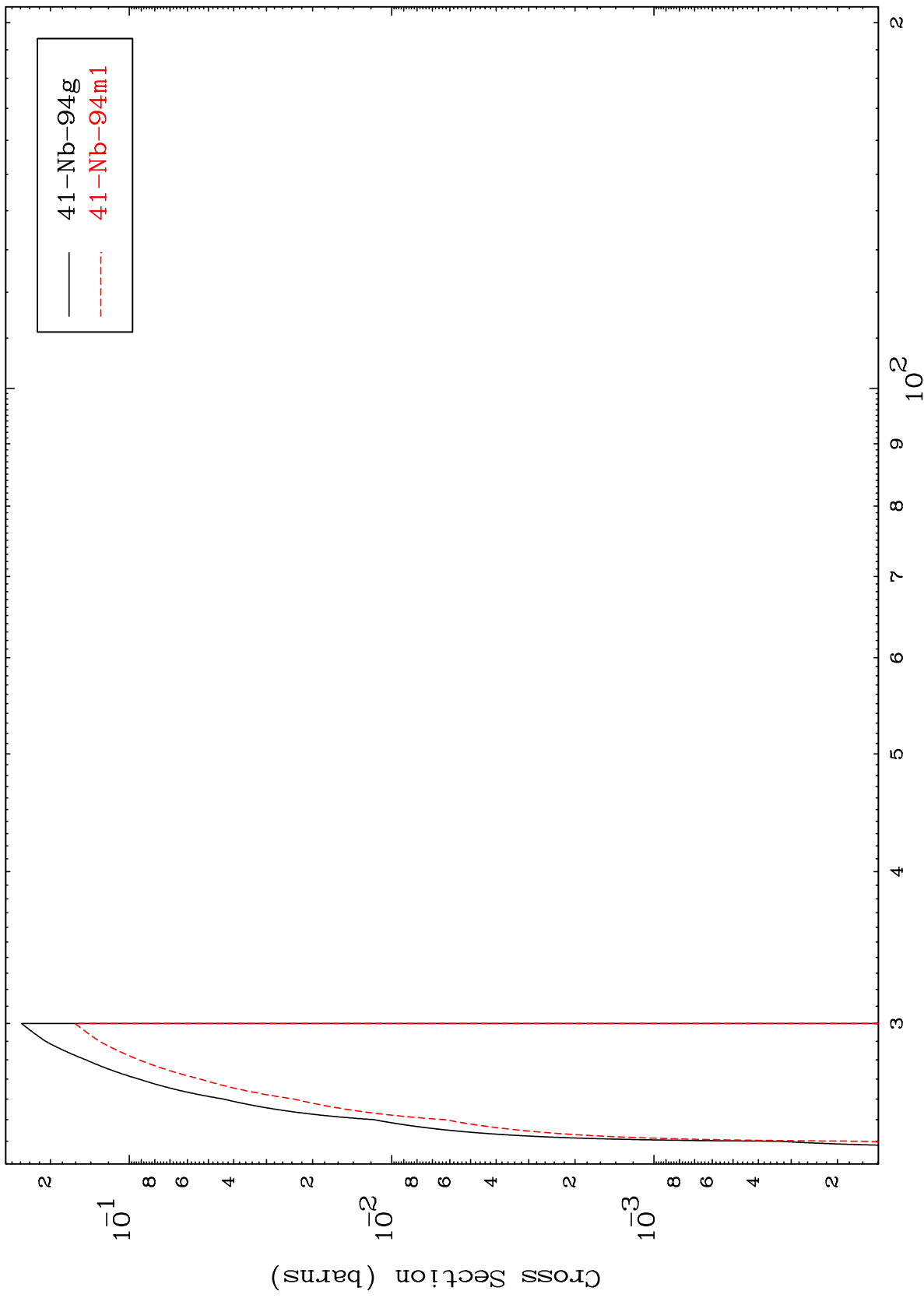


139

MAT 4137

41-Nb-97

(n,4n)
Radionuclide Production Cross Section



140

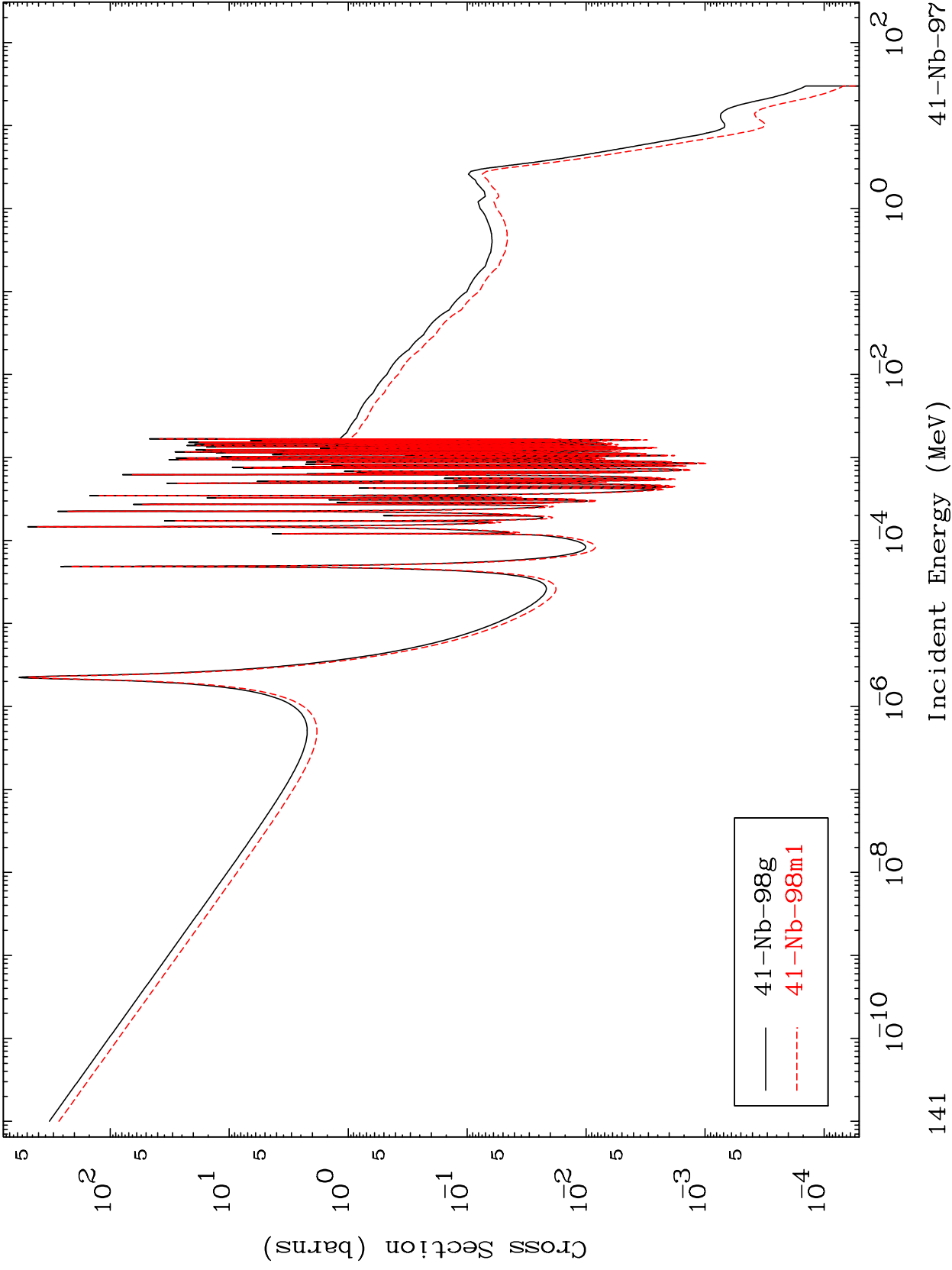
Incident Energy (MeV)

41-Nb-97

MAT 4137

41-Nb-97

(n, γ)
Radionuclide Production Cross Section

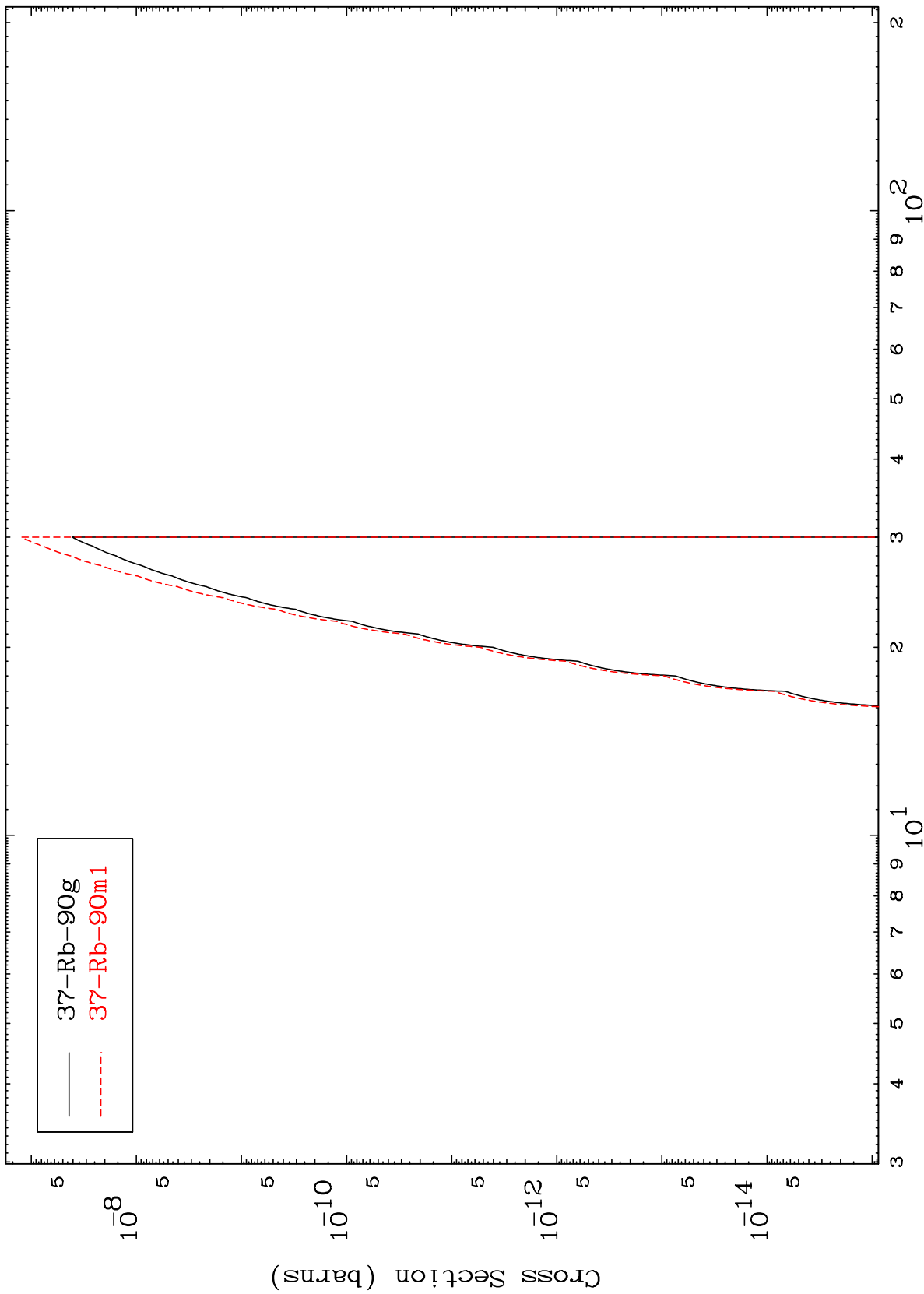


141

MAT 4137

41-Nb-97

(n,2α)
Radionuclide Production Cross Section



142

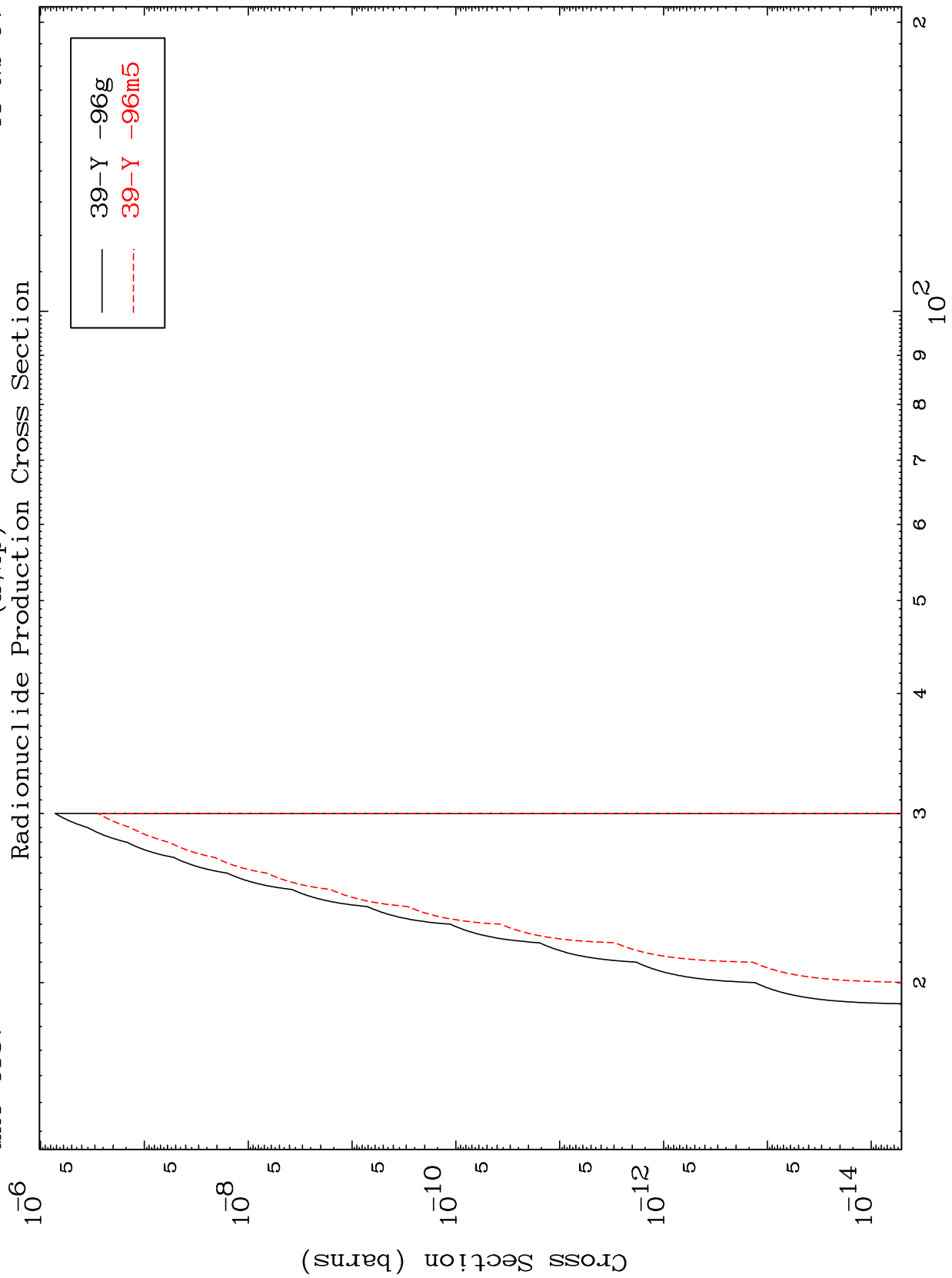
41-Nb-97

Incident Energy (MeV)

MAT 4137

41-Nb-97

(n,2p)
Radionuclide Production Cross Section



39-Y -96g
39-Y -96m5

143

41-Nb-97

Incident Energy (MeV)